

atctggaagc agatggctgg tgctgggatc aagtacatcc ccagcaa

287

<210> 2739

<211> 306

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2739

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ccctcagnag cgnagaagaa gccncagaga actagtctcn tactctcacc cgcaagaaaa 120
aaatggcatc tcacatcggt ggatacccc gtatgggtcc caagagagag ctcaagttcg 180
ctctcgagtc tttctgggat ggcaagagca gcgccgagga tttgcagaag gtgtcttctg 240
atctcagggc atccatctgg aagcagatgg ctgatgctgg gatcaagtac atccccagca 300
acactt 306

<210> 2740

<211> 291

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2740

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aagaagaagc cacagagaac cagtctccta ctctctctca ccacaagaa aaatggcatc 120
tcacatcggt ggatacccc gcatgggtcc caagagagag ctcaagttcg ctctcgagtc 180
tttctgggat ggcaagagca gcgccgagga tttgcagaag gtggctgctg atctcaggtc 240
atccatctgg aagcagatgg ctggtgctgg gatcaagtac atccccagca a 291

<210> 2741

<211> 322

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2741

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agccacagag aactagtctc ctactctcac ccgcaagaaa aaaatggcat actgcacatt 120

cgttggatac ccccgatatg gtcccaagan agagctcaag ttcgnnctcg agtctttctg 180
ggatggcaag cgcagcgccg aggatttgca gaaggtgtct tctgatctca gggcatccat 240
ctggaagcag atggctgatg ctgggatcaa gtacatcccc agcaacactt tctctcacta 300
tgaccagttc tcgacgccac gn 322

<210> 2742
<211> 310
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2742

angcacgcgt acgttagctc ggaattcggc tcgagcttgc tccctcagaa gcgaagnaga 60
agccacagag aactagtctc ctactctaca cccgcaagaa aaaaatggca tctacacatc 120
gttggatacc cccgatggg tcccaagaga gagctcaagt tcgctctcga gtctttctgg 180
gatggcaaga gcagcgccga ggatttgag aaggtgtctt ctgatctcag ggcattccatc 240
tggaagcaga tggctgatgc tgggatcaag tacatcccca gcaacacttt ctctcatang 300
accaggttct 310

<210> 2743
<211> 304
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2743

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cacagagaac tagtcnnct actctcacc cgaagaaana aatngccatc tcanatgcgt 120
tggatncccc cgtatgggtc ccaagagaga gctcaagttc gctctcgagt ctttctggga 180
tggcaagngc ancgccgagg atttgcagaa ggtgtcttct gatctcaggg catccatctg 240
gaagcagatg gctgatgctg ggatcaagta catccccagc aacactttct ntcactatga 300
ccag 304

<210> 2744
<211> 277

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2744

tcgcangnac nntcgggaat tcggctcgag cttgctccct cagaagcgaa gaagaagcca 60
 cagagaacca gtctcctact ctctctcacc cacaagaaaa atggcatctc acatcgttg 120
 atacccccgc atgggtccca agagagagct caagtctgct ctcgagtctt tctgggatgg 180
 caagagcagc gccgaggatt tgcagaaggt ggctgctgat ctcaggatcat ccatctggaa 240
 gcagatggct ggtgctggga tcaagtacat cccagc 277

<210> 2745
 <211> 288
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2745

gtngcangca cgcgtacgta agctcggaat tcggctcgag ctccctcaga agcgaagaag 60
 aagccacaga gaactagtct cctactctca cccgcaagan aaaaatggca tctcacatcg 120
 ttggataccc ccgtatgggt cccaagagng agtcaagtt cgctctcgag tctttctggg 180
 atggcaagag cagcgccgag gatttgcaga aggtgtcttc tgatctcagg gcatccatct 240
 ggaagcagat ggctgatgct gggatcaagt acatccccag caacactt 288

<210> 2746
 <211> 318
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2746

gttgcangca cgcgtacgta agctcggaat tcggctcgag cagaagcgaa gaagaagcca 60
 nagagaacta gtctcctacn nttcacccgc aagaaaaaat ggnatctcac atcgttgga 120
 acncccgtat gggtnnccaa gagagngna agttcgnctc cgagtctttc tgggatggca 180
 agagcagcgc cgaggatttg cagaaggtgt cttctgatct cagggcatcc atctggacgc 240
 agatggctga tgctgggatc aagtacatnn ncagcaanac tttctctcan tatgaccagg 300

ttctcgacgc naccgcca

318

<210> 2747

<211> 331

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2747

gcaaantcgc tgnangcnta cgtnagctcg ganttcggat ngagctcgag ccgctgcttc 60
aacttgctac ctcagaagcg aagaagaagc cacagagaac cagtctccta ctctctctca 120
cccacaagaa naatgggac tcacatcggt ggataccccc gcatgggtcc caagagagag 180
ntcnagtctg ctctcgagtc ttctggtgat ggcaagngcn gcgccgagga ttgcagaag 240
gtggctgctg atctcaggtc atccatctgg aagccagatg gctggtgctg ggatcaagta 300
catccccagc aacactttct cgtttatgnc c 331

<210> 2748

<211> 307

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2748

aatcgcangc aagcgtacgt aagctcggaa ttcggctcga gctctgcttc aacttgctcc 60
ctcagaagcg aagaagaagc cacagagaac cagtctccta ctctctctca cccacaagaa 120
aaatggcatc tcacatcggt ggataccccc gcatgggtcc caagagaagc tcaagttcgc 180
tctcgagtct ttctggtgat gcaagagcag cgccgaggat ttgcagaagg tggctgctga 240
tctcaggtca tccatctgga agcagatggc tgggtgctggg atcaagtaca tccccagcaa 300
catttct 307

<210> 2749

<211> 302

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2749

gtcgcangna cgcgtacgta agctcggaat tcggctcgag cttgntccct cagaagcgaa 60

gaanaancca cagagaanta gtctnctact ctgcacccgc aanaaaaaaa tggcntctca 120
catgcgttgg atacccccgt atgggtccca aganagagct caagttcgct ctcgagtctt 180
tctgggatgg caagagcagc gccgaggatt tgcagaaggt gtcttctgat ctcagggcat 240
ccatctggaa gcagatggct gatgctggga tcaagtacat cccagcaac actttctctc 300
an 302

<210> 2750
<211> 287
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2750

cangcacgcg tacgttagct cggaattcgg ctgagnctt gtcacctcag aagcgàagaa 60
gaagccacag agaaccagtc tctactctc tctcaccac aaganaaatg gcattctaca 120
tcgttgata cccccgatg ggtcccaaga nagagctcaa gtctgctctc gagtnttct 180
gggatggcaa gagcagcgcc gaggatttgc agaaggtggc tntgatctc aggtcatcca 240
tctggnagca gatggctggg gctgggatca agtacatccc cagcaac 287

<210> 2751
<211> 300
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2751

agtcncangc acgcgtacgt aagctcgaa ttcggctcga gctggcttca anttgctccc 60
tcagaagcga agaagaagcc acagaganct ngctctctac tctcaccgc aaganaaaaa 120
tggcatctca catcgttggg tcccccgta tgggtcccaa ganagagctc aagttcgctc 180
tcgagtcttt ctgggatggc aagagcagcg ccgaggnttt gcagaaggtg tcttctgntc 240
tcagggcatc catctggaag cagatggctg atgctgggat caagtacatc cccagcaaca 300

<210> 2752
<211> 285
<212> DNA
<213> Glycine max

<223> unsure at all n locations
 <400> 2752

ncttncaagc acgcgtacgt nagctcggaa ttcggctcgg gctccctcag aagcgaagaa 60
 gaagccacag agaaccagtc tcctantcnc tctcaccac aagaaaaatg gcattctcaca 120
 tcgttgata cccccgcatg ggtcccaaga nagagctcaa gttcgctctc gagtctttct 180
 gggatggcaa gagnagcgcc gaggatttgc agaagggtggc tgctgatctc aggtcatcca 240
 tctggaagca gatggctggg gctgggatca agtacatcnc cagcn 285

<210> 2753
 <211> 326
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2753

tgctgtaana nanaangtng cgtgcacgcn tacgtaaagc tcgggaattc ggctcgagct 60
 ggnttcaant tggntcctca naagcgaaga agaagccaca gagaaccagt ctctantnt 120
 ctntcaccca caagaaaaat ggcntctcac atcgttggat acccccgcat ggggcccaag 180
 anagagntca agttcgnntnt cgagtctttc tgggatggca agancagcgc cgaggatttg 240
 cagaagggtg ctgntgatnt caggatcatcc atntggaagc agatggctgg tgntgggatc 300
 aagtacatcc ccagcaanac tttntc 326

<210> 2754
 <211> 281
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2754

ncgtcgcang cacgcgtacg taagctcggg attcggctcg aggctccctc agaagcgaag 60
 aagaagccac agagaaccag tctcctactc tctctcacc acaagaaaaa tggcatctca 120
 catcgttgga tcccccgca tgggtcccaa gagagagctc aagttcgctc tcgagtcttt 180
 ctgggatggc aagagcagcg ccgaggattt gcagaagggtg gctgctgac tcaggtcatc 240
 catctggaag cagatggctg gtgctgggat caagtacatc c 281

<210> 2755
 <211> 303
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2755

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gtcgcangca cgcgtncgac gantacgtna nctcggnntt nggntccncg ctnacatggg 60
catngnaaac tgtttacgag tgagtntcct angcncancc gcaagaaaaa aatggcatct 120
cacatcgttg gatacccccg natgggttcc caagagagag ctcaagttcg ctctcgagtc 180
tttctgggat ggcaagagca gcgccgagga ttgacagaag gtgtcttctg atctcagggc 240
atccatctgg aagcagatgg ctgatgctgg gatcaagtac atccccagca acatttctct 300
cat 303
```

<210> 2756
 <211> 300
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2756

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cgtcgcacgc acgcgtacgt nagctcggnna ttcggctcgn gcggctcgng gcttcaactt 60
gctccctcag aagcgaagaa gaagccacag agaactagtc tcttaacctc acccgcaaga 120
naaaaatggc atctcacatc gttggatacc cccgtatggg tccaagaga gagctcaagt 180
tcgctctcga gtctttctgg gatggcaaga gcagcgccga ggatttgcag aaggtgtctt 240
ctgatctcag ggcattccatc tggaagcaga tggctgatgc tgggatcaag tacatcccca 300
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<210> 2757
 <211> 299
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2757

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tngcangcac gcgtacgtaa gctcggaatt cggctcgagc tgcttcaact tgctccctca 60
gaagcgaaga agaagcnaca gaggncagat ctctactct ctctcaccca caagaaaaat 120
ggcatctcac atcgttgat acccccgcat ggggtccaag agagagctca agttcgctct 180
```

cgagtctttc tgggatggcn ngagcagcgc cgaggatntg cagaaggtgg ctntctgatct 240
caggncatcc atctggaagc aganggctgg tgcngggatc aagtacatcc ncagcnacn 299

<210> 2758
<211> 310
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2758

tnncatgcac gcgtacgtaa gctcggaatt cggctcgagg ctccctcnga agcgaagaag 60
aagccacaga gaactagtcn nctantctca cccgcaagaa naaaatgngc atcttcacat 120
ncgttgata ccccgatatg ggtcccaaga gaganctcaa gttcgctctc gagtctttct 180
gggatggcaa gagcagcncc gaggatttgc agaaggtgtc ttctgatctc agggcatcca 240
tctggaagca gatggctgat gctgggatca agtacatccc cagcaacact ttctnccan 300
tntgaccagg 310

<210> 2759
<211> 318
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2759

acgcatgnag cgtacgnag ctcggnattc ggctcgagct gtttcaactt nctccctcag 60
aagcgaagaa gaagccacag agaactantc tctactctc acccgacta aaanaatggc 120
atctcacatc gttggatacc cccgtatngg ncccaagana gagctcaagt tcgctctcga 180
gtctttctgg gatngcnnga ncagngccgn ggatttgcan caggtgtctt ctgatctcan 240
ggcatccatc tggnnacaga tggctgntgc tgggatcaag tncatccnca ncaacacttt 300
ctctcactag nncaggtt 318

<210> 2760
<211> 293
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 2760

nncgtcgcan gcacgcgtac gtaagctcgg taattcggct cgagnaactt gctccctcag 60
aagcgaagna gaagccacag agnactagtc tcctacttct caccgcgnag anaaanntgg 120
catctcacat cgttggatac ccccgatatg gtcccaagag agagctcaag tncnctctcn 180
agtctttctg ggatggcnag agcagcgccg aggatttgca gaagggtgtct nctnatctca 240
gggcatccat ctggaagcng atggctgatg ctgggatcaa gtacatcccc agc 293

<210> 2761

<211> 302

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2761

ngntcangca cncgtacgtn agctcggaat tcnnctcgan gctccctcag aagcgaagaa 60
nnagccacag agaactngnc tcctactctc acccgcaaga aaaaaatggc acctcanntc 120
gttggatacc cccgtatgng tcccaagagg gagctcaagt tcgctctcga gtcttctggg 180
atggcaagag cagcgccgag gatttgcaga aggtgtcttc tgatctcagg ggcattccatc 240
tggaagcaga tggctgatgc tgggatcaag tacatcccca gcancacttt ctctcactat 300
gn 302

<210> 2762

<211> 311

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2762

gatgctngca cgcgtacgtn agctcggaat tnggctcgag cagagaacta gtctcctact 60
ctcaccgcga agaaaaaat ngnatctcac atcgttggat acccccgat ggggcccaag 120
agagagcnca agttcgctct cgagttcttt ctnggatggc aagngcagct ccgaggattt 180
gcagaagggtg tcnnntgata tcagggcntc catctggaag cagatggctg atgctgggat 240
caagtacatc ccngcaaca ntttctcnna ctctngacaa ggttctcgac gcnaccgcga 300
accctcgggtg n 311

<210> 2763
 <211> 298
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2763

cncgtacgta agctcggaat tcggctcgag cnaagaanaa gccacagcag anccagtctc 60
 ctantctctc tcanccacaa nanaaatngc atcncacatc gtnggatacc cccgcatggn 120
 tacccaanag agagnncaag ttacgtctctc gagtctttct gggatggcaa gagcagcgcc 180
 gaggatttgc agaaggtggc tgctgntctc aggtcatccn tctggaagca gatggctggt 240
 gctgggatca agtacatccc cancaacact ttctcgttct atgaccagct gctcgacg 298

<210> 2764
 <211> 300
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2764

tcnangcacg cgtacgtnaa gctcggaatt tcggaattcg gctcgagact tgctccctca 60
 gaagcgaaga agaagccaca gagaaccagt ctctactct ctctcaccca caagaaaaat 120
 ggnatctcac atcgttggat acccccgcat gggncccaag agagagctcn agttcgntct 180
 cgagtctttc tgggatggna anagcancgn cgangntttg canaangngg ctgctggtct 240
 cangncatcc atctggaanc ngatggctgg tgctgggatc nagtacatcc ccagcaacac 300

<210> 2765
 <211> 330
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2765

gtcgcacgca cgcgtacgta agctcggaat tcggctcgag gcttcaactt gctccctcag 60
 aagcgaagaa gaagccacag agaactagtc tccttacttc tcaccgcgaa ganaaaaaatg 120
 ggcacatcac atcgttggat acccccgat gggccccaag anagagctca agttcgctct 180
 cgagtctttc tgggatggca agagcagcgc cgaggatttg cagaaggtgt cttctgatct 240

cagggcatcc atctggaagc agatggctga tgctgggatc aatacatccc cagcaacatt 300
tctctcatat gaccagttct cggacgccac 330

<210> 2766
<211> 308
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2766

ttgangcacg cgtacgttag ctoggaattc ggctcgagct tcaacttgct ccctcagang 60
cgaagaagan gccacagaga acnagtctcc tactctcacc cgcaaganaa aaatggcatc 120
tccacatcgt tggatacccc cgtatgggtn cccaaganag agctcaagtt cgctctcgag 180
tctttctggg atggcaagag cagcgccgag gatttgcaga aggtgtcttc tgatctcagg 240
gcatccatct ggaagcagat ggctgatgct gngantcaag tacatcccca gcaacacttt 300
ctctcact 308

<210> 2767
<211> 309
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2767

gttnaatgca cgcgtacgta agctcggaat tcggctcgag gctccctcag aagcgaagaa 60
gaagccacag agaaccagtc tcctactctc tctcaccac aanaaaaatg gcatctcaca 120
tcgttgata cccccgcatg ggtcccaaga gagagctcaa gttcgctctc gagtctttct 180
gggatggcaa gagcagcgcc gaggatttgc agaaggtggc tgctgatctc aggttcatcc 240
atctggaagc agatggctgg tgctggggat caagtacatc ccagcaaca cttctcgttc 300
tatgaccag 309

<210> 2768
<211> 247
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 2768

ctanaactnn acnccctcag aagcgaagaa gaagccacag agaactagtc tcctactctc 60
acccgcaaga naaaaatggc atctcacatc gttggatacc cccgtatggg tccaagaga 120
gagctcaagt tcgtctcgag tcttinctggg atggcaagag cagcgccgag gatttgaga 180
aggtgtcttc tgatctcagg gcatccatct ggaagcagat ggctgangct gggntcaagt 240
acatccc 247

<210> 2769

<211> 248

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2769

gcacgcgtac gtaagctcgg aattcggctc gagctccctc agaagcgaag aanaagccac 60
agagaactag tctnctactc tcannccgca agaaaaaaat ggcatctcac atcgttggat 120
acccccgtat ggggtcccaag agagagctca agttcgctct cgagtctttc tgggatggca 180
agagcagcgc cgaggatttg cagaagggtg cttctgatct cagggcatcc atctggaagc 240
agatggct 248

<210> 2770

<211> 284

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2770

ncgttgcan gacgcgtacg tnagctcgga attnngctcg agtctgcttc aacttgctcc 60
ctcagaancg aagaagaagc cacagaganc tagtctccta ctctacccg caagaaaaaa 120
atggcatctc acatcgttgg ntacccccgt atgggtccca agaganagct caagttcgct 180
ctcgagtctt tctgggatgg cnagngcagc gccgaggatt tgcagaaggt gtcttctgat 240
ctcagggcat ccatctggaa gcagatggct gangctggga tcan 284

<210> 2771

<211> 329

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2771

anaancaatg caccgtacnt aantcggntc natgncgagc ngaattcggc tcgagctctg 60
cttcaacttg ctcccatnga agcgaanaag aagccacaga nnactantct cctantctca 120
cncgcaagan aanaatggca nctcacatgc gttggatacc ccntatggg tccaagaga 180
gagctcaagt tcgctctcga gtctttctgg gatngcaaga gnagcgccga ggatttgcn 240
aaggngtctt ctgatctcag ggcatccatc tggnagcana tggctgatgc tnggancaag 300
tacatcccca gcaacatttc tctcatagn 329

<210> 2772

<211> 302

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2772

tgncgcntac ntaagnncgg aattcggctc gnggcgaaga agaagccaca gagaaccagt 60
ctctactct ctctcaccca caagaaaaat ggcatctcac atgcgttgga taccctcgca 120
tggttaccga agagagagct caagtctgct ctcgagtctt tctgggatgg caagagcagc 180
gccgaggatt tgcagaaggt ggctgctgat ctgaggtcat ccatnctgga agcagatggc 240
tggtgctggg atcaagtaca tcccnagcaa cacttctcgn tctatgacca gctgcnnacg 300
cc 302

<210> 2773

<211> 281

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2773

gcacgcgtac gtaagctcgg aattcggctc ganctcgagc cgattcggct cgagttgctc 60
cctcagaagc gaagaaacng ccacagagaa ccagtctcct actctctctc aaccacaaga 120
aaaatggcat ctcatatcgt tggatacccc cgcattgggtc ccaaggagag ctcaagttcg 180
ctctcgagtc tttctgggat ggcaagagca gcgccgagga tttgcagaag gtggctgctg 240

atctcaggtc atccatctgg aagcagatgg ctgggtgctgg g 281

<210> 2774
 <211> 286
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2774

gtcgcangca cgcgtacgta agctcggaat tcggctcgag ctctgcttca acttgctccc 60
 tcagaagcga agaagaagcc acagagaact agtctcctac tctcaccgcg aagaaaaaaa 120
 tggcatctca catcgttgga taccoccgta tgggtcccaa gagagagnnc aagttcgctc 180
 tcgagtcttt ctgggatggc aagagcagcg ccgaggattt gcagaagggtg tcttctgatc 240
 tcagggcacc atctggaagc agatggctga tgctgggatc aagtac 286

<210> 2775
 <211> 310
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2775

cnngcacnc gtacgtaagc tcggaattcg gctcgagctt gctccctcag angcgaagaa 60
 gaagccacag agaantagtc tctactctc acccgccaag anaaaaatgg cattctcaca 120
 tccgttgat acccccgat ggggtcccaag agagagctca agttcgctct cgagtcttct 180
 gggatggcaa gnnacgcgc gaggatattgc agaagggtgc tctgatctca gggcatccat 240
 ctggaagcag atggctgatg ctgggatcaa gtacatcccc agcaacattt ctctcatatg 300
 accaggttct 310

<210> 2776
 <211> 299
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2776

tngcangcac gcgtacgtaa gctcngaatt cngcnccgag ctctgcttca acttgctccc 60

tcagaancga agaagaagcn acagagaact agtctcctac tctccacccg caagaaaaaa 120
atggcatctc acatcggttg atacccccgt atgggtccca agagagagct acaagttcgc 180
tctcgagtct ttctgggatg gcaagagcag cgccgaggat ttgcagaagg tgtcttctga 240
nctnagggca tccatctgga agcagatggc nnatgctggg atcattacat cccagcaa 299

<210> 2777
<211> 253
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2777

cttgctcnnt naganncgaa gaagaagcca cagaggacta gtctnctac tgctcaccgc 60
caagaaaaaa atggcatctc anacccgttg gatacccccg tatgggtcnc aanagagagc 120
tcaagtngc tgctcgagtc tttctgggat ggcaatagca gngccganga tttgcagaag 180
gtgtcttctg atctcagggc atccatctgg aatcagatgg ctgatgcngg gatcaagtnc 240
atccccagca aca 253

<210> 2778
<211> 288
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2778

gcaaangcac gcgagacgta anctcggaat tcggctcgag naacttgntc cctcagnagc 60
gaagaagaag cnacananaa ctagtctcct acncncaacc gnaagaaaaa natggcatct 120
cacatcggtg gatacccccg tatnggtngc aanagagagc tcaagttcgc tctcgagtct 180
tnctgngatg gnaagannag cgccgaggat ttgcagaagg tgtcttctga tctcagggca 240
tccatctgga agcagatggc tangctggga tcaagtacat cccangca 288

<210> 2779
<211> 320
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2779

aaatnctana agtcgcangc acgcgnacgt aanctcggaa ntcggctcga gnaacttgct 60
 ccctcagaag cgaagaagaa gccacanaga actagtctcc tactgctcac ccgcnagaaa 120
 aaaatggcat ctncacatnc gttggatanc cccgnatgng ngcccaagan agagctcaag 180
 ttcgctctcg agtctttctg ggatggcagn agcagcgccg aggatttgca gaaggtgtct 240
 tcnganctca gggcatccat ctngaagcag atngctgatg ctgggatcaa gnacatctcc 300
 aggaacactt tctctnactn 320

<210> 2780
 <211> 249
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2780

ctgcntcaac ttgctccctg caganncgaa ncaagaagcc acagagnact agtctnccta 60
 ctctcaccgc caananaaaa atggcatctc acatncgttg gatancccg tatgggtccc 120
 aaganagagn tcaagttcgc tctcgagtct ttctgggatg gnaagagcag cgccgaggat 180
 ttgcagaagg tgtnttctga tctcagggna tncatctgga agnagatggc tgatgntggg 240
 ntcaagtac 249

<210> 2781
 <211> 300
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2781

acggcacang nacgtaanct cggaattcgg ctcgagcann ctgctccct cagaagcgaa 60
 gaagaagcca cagagaacta gtctcctact nctcaccgc aagaaaaaa tggcatctca 120
 catacngtgg atacccccgn atgggtccca agagagagct caagtctgct ctcgagtctt 180
 tctgggatgg caagagcagc gccgaggatt tgcagaaggt gtctcngatc tcagggcatc 240
 catctggaag cagatggctg atgctgggat nagtacannc ccagcaacat ttctctcata 300

<210> 2782
 <211> 262

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2782

gtcgcangca cgcgtaacgt naagctncgg taattcggcn cgaggccaca gagaactagt 60
 ctncctactc tcnnccgcaa gaaaaaaatg gcatctcaca tcgttggata cccccgtatg 120
 ggtcccaaga gagagctcaa gttcgctctc gantctttct gggatggcaa gagcagcgcc 180
 gaggatttgc agaaggtgtc tctgatctca gggcatccat ctggaagcag atgctgatgt 240
 ggtcaagnac tcccgcacan tt 262

<210> 2783
 <211> 242
 <212> DNA
 <213> Glycine max
 <400> 2783

tcgcatgcac gcgtacgtaa gctcgggaatt cggctcgagc aacttgctcc ctcagaagcg 60
 aagaagaagc cacagagaac cagtctccta ctctctctac acccacaaga aaaatggcat 120
 ctcacatcgt tggatacccc cgcattgggtc ccaagagaga gctcaagttc gctctcgagt 180
 ctttctggga tggcaagagc agcgccgagg atttgcagaa ggtggctgct gatctcaggt 240
 ca 242

<210> 2784
 <211> 308
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2784

ncgcntgcac gcgtacgtaa gctcgggaatt cggctcgaga acttgctccc tcagaagcga 60
 agaagaagcc acagagaact agtctcctac tcttcacccg caagaaaaaa atggcatctc 120
 acatcggttg atacccccgt atgggtccca agagagagct caagttcgct ctcgagtctt 180
 tctgggatgg caagagcagc gccgaggatt tgcagaaggt gtcttctgat ctcagggcat 240
 ccatctgnan canatggctg atncngggnt ncagtacatc cccagcaaca tttcttctca 300
 tatgacca 308

<210> 2785
 <211> 277
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2785

cttgctccct ccagaagacg aagaagaagc cacagagaat agttctccta ctctncaccc 60
 gnaaganaaa acatggcatc tcacatcggt ggataccccc gtatgggtcc caagagagag 120
 ctcaagttcg ctctcgagtc tttctgggat ggcaagagca gngccgagga tttgcagaag 180
 gtgtctctga tctcagggca tcccatctgg nacgagatgg ctgatgtggg atnngtacat 240
 cccagcaaca tttctcncat cngacangtt ctcgacg 277

<210> 2786
 <211> 280
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2786

tatnaacttg ctcnntcaga ncgcgaagaa gaagncacag agaancnagt ctctantnc 60
 tcacccgnaa gnnaaaaatg ggcatnctcn catcgttgga taacccccgt atgggtncca 120
 agagagagct caagttcgnt ctncagtctt tctgggatgg caagagcagc gncngaggat 180
 ttgcagaagg tgtcttctga tctcaggnc tccatctgga agcagatggc tgntgntggg 240
 atcagtacat cccnagcaac acttctctca ctatgaccag 280

<210> 2787
 <211> 298
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2787

gcacncgtac gtaagctcgg aattcggctc gagcttgctc cctcanaagc gaagnagaag 60
 ccacananaa ccagtctcct actctctctc acccacaaga naaatgggnat ctacatcggt 120
 tggntacccc cgcatggggt cccaaganag agtcaagtt cgctctcgag tctttctggg 180

ntggcnagag cagcgccgag gatttgaga aggtggctgc tgatctcagg tcatccaatc 240
 tggaancaag attgccngat cggggatcaa gctccatncc cagcaacann tttttgct 298

<210> 2788
 <211> 151
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2788

gtcgcangca ntgtacgtaa gctcggaatt cggctcgaga tctggaagca gatggctgat 60
 gctgggatca agtacatccc cagcaacact ttctctcact atgaccagggt tctcgacgcc 120
 accgccaccc tcggtgccgt tccaccaagg t 151

<210> 2789
 <211> 234
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2789

gcaogcgtag gtaagctcgg aattcggctc gagcttcaac ttgctccctc agaagcgaag 60
 aagaagccac agagnactag tctctactct tcacccgcaa naaaaaaatg ggcatctcac 120
 attcgttgga taccgccgta tgggtcccaa gagagagctc aagttcgctc tcgagtcttc 180
 naggatggca agagcagcgc cgaggatttg cagaagggtgt cttctgatct cagg 234

<210> 2790
 <211> 138
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2790

gnagaagaag ccacagagaa ctagtctcct actctcaccg gcaagaaaaa aatggcatct 60
 cacatcnttg gatacccccg tatgggtccc aagagagagc tcaagttcgc tctcgagtct 120
 ttctgggatg gcaagagt 138

<210> 2791
 <211> 152

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2791

acacgcgtac gtaaagctnc ggaattcngc tcgagctgga agcagatggc tgatgctggg 60
atcaagtaca tccccagcaa cactttctnn tnactatgac cagggttctcg acgccacccg 120
ccaccctcgg tgccgttcca cncangnnag gn 152

<210> 2792
<211> 501
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2792

gtttgatctc cgtggnccta tataaagaga tatgangtcg nntccacgcg tangtaanac 60
tcggaattcg gctcgagcaa cnttccaate cttccaacca ccactantgg atccttcnct 120
canacngtag aactgaggag ggtacgccgt gagttcaagg ctaacatgat ctccgaggaa 180
gagtatgtta agtcaattaa ggaggaaatt cncaaagttg ttgaacttca anaagagctt 240
gatattgatg ttcttggtca tggagaacca gagagaaatg atatggttga gtacntcggg 300
gagcaattgt caggctttgc cttcactgtt aatgggtggg tgcaatccta tggttcccgt 360
tgtgtgaagc cacnaatcat ctatggtgat gtgagccgcc caaagccaat gactgtcttc 420
tggtcancctc tggctcagan ctttaccag cgccnaatga agggaatgct taccgggtccg 480
gttaccaatc ccaactgggn c 501

<210> 2793
<211> 412
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2793

gagaagacga cagaaggggg ctaaggcatt gtctggcaac aaggatgtgg ccttcttctc 60
tgctaattgct gcanctcang cttcaaggaa gtcctctcca anagtgacca acnaggctgt 120
tcagaaggct gctgctgcat tgaagggttc agatcatcnc cgtgcaacaa atgtcagtgc 180

cagactggat gctcaacaaa anaagctcaa ccttccaatc cttccaacca ccactattgg 240
atccttcctt cagactgtan aactgaggag ggtacgccgt gagttcaagg ctaacaagat 300
ctccgaggaa gagtatgtta agtcaattaa ggaggaaatt cgcaaagttg ttgaacttca 360
agaagagctt gatattgatg ttcttgttca tgganaacca anaganaaat ta 412

<210> 2794
<211> 350
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2794

cacactgctg ttgatcttgt taacgagacc aagttggatg acgagatcaa gtcattggcta 60
gcatttgctg cacaaaaaat tgttgaagtt aacgcattgg ctaaggcatt gtctggcaac 120
aaggatgtgg ccttcttctc tgctaattgct gcagctcagg cttcaaggaa gtcctctcca 180
agagtgacca acgaggctgt tcagaaggct gctgctgcat tgaagggttc agatcatcgn 240
cgtgcaacaa atgtcagtgc cagactggat gctcaacaaa agaagctcaa ccttccatcc 300
ttccaaccac cactattgga tccttcctc agactgtaga actgaggagg 350

<210> 2795
<211> 454
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2795

ccacgcgtcc ggatcatcgc cgtgcaacaa atgtcagtgc cagactggat gctcaacaaa 60
agaagctcaa ngttccngtc cttccaacca ccactattgg atccttcctt cagactgtag 120
aactgangag ggtacgccgt gagttcaagg ctaacaagat ctccgaggaa gagtatgtta 180
agtcaattaa ggaggaaatt cgcaaagttg ttgaacttca anaagagctt gatattgatg 240
ttcttgttca tggagaacca gagagaaatg atntgggtga gtacttcggt gagcaattgt 300
caggctttgc cttcactgtt aatgggtggg tgcaatctat ggggtccggt gtgtgaaagc 360
caccaattca tctatgggtg aatgtgnaaa nncgtccaa aagccaatga ctgtcttctg 420
gtcatctntg gcttaaangc ttaccaaag cgct 454

<210> 2796
 <211> 446
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 2796

```

cgaggctggt cagaaggctg ctgctgcatt gaagggttcn gatcatcgcc gtgcaacaaa 60
tgtcagtgcc agactggatt ctcaacaaaa gaagctcaac cttccaatcc tgccaaccac 120
cactattgga tccttccctc agactgtaga actgaggagg gtacgccgtg aattcaaggc 180
taacaagatc tccgaggaag agtatgtaaa gtcaattaag gaggaaattc gcaaagttgt 240
tgagcttcaa gaagagcttg atattgatgt tcttgggtcat ggagaaccag agagaaatga 300
tatggttgag tactttcggg gaacaattgt caagctttgg cntnaccggt aatgggtngg 360
tgcaatccta tggttcccggt tcgtgaaanc cccgatcatt tatgggaatg ttagccgccc 420
aaagccatga ccgntttttg gtattt                                     446
  
```

<210> 2797
 <211> 489
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 2797

```

ttctctgccc gttcngtacn nntctccnaa ttcgcnngcc gacccacgcn tccggcagat 60
ctgagaccac ctaccagatt gctttgtcta tcaaggacga agtggaagac cttgaaaagg 120
ctggcatcac tgttatccaa attgatgaag ctgctttgag agagggtctt ccactgagga 180
aatcagagca agctcactac ttggactggg ctgtccatgc cttcagaatc accaatgttg 240
gtgtccagga taccaccacg gtacactctt ttggatcatc gcaaatact gaattagaaa 300
ttttttttgt tcactctcat tttcacatat gttgtaataa tcaacttttc gtattgacag 360
atccacactc acatgtgcta ctggaacttc aacgacatca tccactccat catcgacatg 420
gacgccgatg ttatcaccat tgagaaatct cgccccgacg anaancttcc gtcagtcttc 480
cgcgaangg                                     489
  
```

<210> 2798

<211> 340
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 2798

```

tcgcangcnc gcgtacgtaa gctcggaatt cggctcgagg ntcaagtcac ggctagcttt 60
tgctgcccac aaaattgttg aagttaacgc attggctaaa gcattgtctg gccacaagga 120
tgangccttc ttctctggta atgctgctgc tctggcttca aggaagtctt ctccaagagt 180
gaccaacgag gctgttcaga aggctgctgc tgcattgaag gggtcagatc atcgccgtgc 240
aanaaatgtc agtgccagac tggattctca acaaaagaag ctcaaccttc caatcctgcc 300
aaccaccact attggatcct tccctcagac tgtagaactg 340
  
```

<210> 2799
 <211> 317
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 2799

```

gtcgcangcc agcgtacgta agctcggaat tcggctcgag aaatgatatg gttgagtact 60
tcggtgagca attgtcaggc tttgccttca ctgttaatgg gtgggtgcaa tcctatgggt 120
cccgttgtgt gaagccacca atcatctatg gtgatgtgag ccgcccacaa ccaatgactg 180
tcttctggtc atctctggct cagagcttta ccaagcgccc aatgaaggga atgcttaccg 240
gtcctgttac cattctcaac tggtcctttg ttagaaatga ccaacctaga tctgagacca 300
cctaccagat tgctttg 317
  
```

<210> 2800
 <211> 317
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 2800

```

gtcgcngcac gcgtacgtaa gctcggaatt cggctcgaga cgaagtggag gaccttgaaa 60
aggctggcat cactgttatc caaattgatg aagctgcttt gagagagggt ctgccactga 120
ggaaatcaga acaagctcac tacttggact gggctgtcca tgccttcaga atcaccaatg 180
  
```

ttggtgtgca ggataccact cagatccaca cccacatgtg ctactccaac ttcaacgaca 240
 tcatccactc catcatcgac atggacgctg atgttatcac cattgagaac tctcgctccg 300
 atgagaagct cctgtca 317

<210> 2801
 <211> 337
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2801

cnngtcgcan gcacgcntac gtaagctcgg aattcggctc gaggccacca atcatctatg 60
 gtgatgtgag ccgccccaaag ccaatgactg tcttctggct atctctggct cagagcttta 120
 ccaagcnccc aatgaaggga atgcttaccg gtctgtttac cattctcaac tggtcctttg 180
 ttagaaatga ccaacctaga tctgagacca cctaccagat tgctttggct atcaaggacg 240
 aagtggagga ccttgaaaag gctggcatca ctgttatcca aattgatgaa gctgctttga 300
 gagaggggtct gccactgagg aaatcagaac aagctcn 337

<210> 2802
 <211> 329
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2802

cangcacgcg tacgtaagct cggaattcgg ctcgagntgc tgcattgaag gggtcagatc 60
 atcgccgtgc aacaaatgtc agtgccagac tggatgctca acaaaagaag ctcaaccttc 120
 caatccttcc aaccaccact attggatcct tccctcagac tgtagaactg aggagggtag 180
 gccgtgagtt caaggctaac aagatctccg aggaagagta tgtaagtca attaaggagg 240
 aaattcgcaa agttgttgaa cttcaagaag agcttgatat tgatgttctt gttcatggag 300
 aaccagagag aaatgatatg gttgagtac 329

<210> 2803
 <211> 314
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 2803

```
tcgcangcac gcgtacgtaa gctcgggaatt cggctcgagc tgaggaaatc agagcaagct   60
cactacttgg actgggctgt ccatgccttc agaatcacca atgttggtgt ccaggatacc  120
acccagatcc acactcacat gtgctactcg aacttcaacg acatcatcca ctccatcatc  180
gacatggacg ccgatgttat caccattgag aactctcgct ccgacgagaa gcttctgtca  240
gtcttccgcg aaggtgtgaa gtatggtgct ggaattggcc ctggtgtcta tgacatccac  300
tccccaaagaa tacc                                                         314
```

<210> 2804
<211> 328
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2804

```
ctcangcacg cntacgtaan ctcggaattc ggctcgagng tacgccgtga attcaaggct   60
aacaagatct ccgaggaaga gtatgtaaag tcaattaagg aggaaattcg caaagttggt  120
gagcttcaag aagagcttga tattgatggt cttgttcatg gagaaccaga gagaaatgat  180
atggttgagt acttcggtga acaattgtca ggctttgcct tcaccgttaa tgggtgggtg  240
caatcctatg gttcccgttg cgtgaagcca ccgatcatct atggtgatgt gagccgccca  300
aagccaatga ccgtcttctg gtcattctc                                         328
```

<210> 2805
<211> 323
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2805

```
ngtcgcangc acgcgtacgt aagctcgga ttcggctcga gggcattgtc tggcaacaag   60
gatgtggcct tcttctctgc taatgctgca gtcaggctt caaggaagtc ctctccaaga  120
gtgaccaacg aggctgttca gaaggctgct gctgcattga agggttcaga tcatcgccgt  180
gcaacaaatg tcagtgccag actggatgct caacaaaaga agctcaacct tccaatcctt  240
```

ccaaccacca ctattggatc cttccctcag actntagaac tgaggaggggt acgccgtgag 300
 ttcaaggcta acaagatctc cga 323

<210> 2806
 <211> 312
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2806

ngnncgcatg cacgcgtacg tnagctcgga attcggtcgc agatatggtt gagtacttcg 60
 gtgagcaatt gtnaggcttt gccttcactg ttaatgggtg ggtgcnatcc tatggttccc 120
 gttgtgtgaa gccaccaatc atctatggtg atgtgagccg cccaaagcca atgactgtct 180
 tctggtcacg tctggctcag agctttacca agcgcccaat gaagggaatg cttaccgggc 240
 ctgttaccat tctcaactgg tcctttgtta ganatgacca acctagatct gagaccacct 300
 accagattgc tt 312

<210> 2807
 <211> 295
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2807

canngacgcg tacgtnagct cggaattcgc ctcgaggaaa tgatatggtt gagtacttcg 60
 gtgagcaatt gtcaggcttt gccttcactg ttaatgggtg ggtgcaatcc tatggttccc 120
 gttgtgtgaa gccaccaatc atctatggtg atgtgagccg cccaaagcca atgactgtct 180
 tctggtcacg tctggctcag agctttacca agcgcccaat gaagggaatg cttaccgggc 240
 ctgttaccat tctcaactgg tcctttgtta gaaatgacca acctagatct gagac 295

<210> 2808
 <211> 307
 <212> DNA
 <213> Glycine max

<400> 2808

gtcgcacgca cgcgtacgta agctcggaat tcggctcgag ggactgggct gtccatgcct 60

tcagaatcac caatgttggt gtccaggata ccaccagat ccacactcac atgtgctact 120
cgaacttcaa cgacatcatc cactccatca tcgacatgga cgccgatggt atcaccattg 180
agaactctcg ctccgacgag aagcttctgt cagtcttccg cgaagggtgtg aagtatggtg 240
ctggaattgg ccttggtgtc tatgacatcc actccccaag aataccacca actgaagaaa 300
ttgctga 307

<210> 2809
<211> 314
<212> DNA
<213> Glycine max

<400> 2809

gtcgcacgca cgcgtacgta agctcgggaa ttcggctcga gcgcaaagtt gttgagcttc 60
aagaagagct tgatattgat gttcttggtc atggagaacc agagagaaat gatatgggtg 120
agtacttcgg tgaacaattg tcaggctttg cttcaccgt taatgggtgg gtgcaatcct 180
atggttcccg ttgcgtgaag ccaccgatca tctatggtga tgtgagccgc ccaaagccaa 240
tgaccgtctt ctggctcatc ctggctcaga gctttaccaa gcgcccaatg aagggaatgc 300
ttaccggtcc tggt 314

<210> 2810
<211> 306
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2810

agnccangc naccgtacgt aagctcggga attcggctcg agggagggtg cgccgtgagt 60
tcaaggctaa caagatctcc gaggaagagt atgttaagtc aattaaggag gaaattcgca 120
aagttgttga acttcaagaa gagcttgata ttgatgttct tgttcatgga gaaccagaga 180
gaaatgatat ggttgagtac ttcggtgagc aattgtcagg ctttgccttc actgttaatg 240
ggtgggtgca atcctatggt tcccgttgtg tgaagccacc aatcatctat ggtgatgtga 300
gccgcc 306

<210> 2811
<211> 310

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2811

acnacgcang cacgcgtacg taagctcggga attcggctcg agctccatca tcgacatgga 60
 cgctgatgtt atcaccattg agaactctcg ctccgatgag aagctcctgt cagtcttccg 120
 tgaagggtgtg aagtatggtg ctggaattgg ccctgggtgtc tatgacatcc actccccaag 180
 aataccacca actgaagaaa tcgctgacag aatcaataag atgcttgacag tgctcgagaa 240
 gaacatcttg tgggtcaacc ctgactgtgg tctcaagacc cgcaagtaca ctgaagtgaa 300
 gccagccctc 310

<210> 2812
 <211> 353
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2812

nnnnnnnaaaa gtcgggaagt cgcangcacg cgtacgtaag ctcggaattc ggctcgnanc 60
 tcgagccgaa tcggctcgag ccagattgct ttggctatca aggaagnagt ggaggacctt 120
 acnaaggctg gcatcactgt actccaaatt gatgaagctg ctttgagaga gggctctgcca 180
 ctgaggaaat cagaacaagc tcactacttg gactgggctg tccatgcctt cagaatcacc 240
 aatgttggtg tgcaggatac cactcagatc cacaccaca tgtgctactc caacttcaac 300
 gacatcatcc actccatcat cgacatggac gctgatgtta tcaccattga gat 353

<210> 2813
 <211> 297
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2813

ctcnncgcgt tacgtaagct cgggaattcg gctcgaggct gctttgagag agggctctgcc 60
 actgaggaaa tcagaacaag ctactactt ggactgggct gtccatgcct tcagaatcac 120
 caatgttggt gtgcaggata ccactcagat ccacaccac atgtgctact ccaacttcaa 180

cgacatcatc cactccatca tcgacatgga cgctgatggt atcaccattg agaactctcg 240
ctccgatgag aagctcctgt cagtcttccg tgaagggtgt aagtatggtg ctggaat 297

<210> 2814
<211> 551
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2814

gnnngagagg tttntgntan gggggaaggg ggggnanatn ntagaanngc tatgacgtcg 60
catgcacgcg tacgtaagct cggaattcgg ctcgagtgga cgctgatggt atcaccattg 120
agaactctcg ctccgatgag aagctcctgg tcagtcttcc gtgaagggtgt gaagtatggt 180
gctggaattg gccctggtgt ctatgacatc cactcccaa gaataccacc aactgaagaa 240
atcgctgaca gaatcaataa gatgcttgca gtgctcgaga agaacatctt gtgggtcaac 300
cctgactgtg gtctcaagac ccgcaagtac actgaagtga agccagccct cacaacatg 360
gttgccgcag caaaactcat ccgtaacgaa cttgccaaagt gaatggtata aagaaagtag 420
aatctacaag ttcattggtt ctgcttttat tataccncca aggaaaaatt ttctatantn 480
gggtggttca aataaccggt gtggaatatt tanaggttta acatgctctg tgagcaattg 540
atctttctca c 551

<210> 2815
<211> 336
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2815

agtentcann nntcanacgt cgcacgcacg cgtacgtaag ctcggaattc ggctcgagga 60
tcatcgccgt gcaacaaatg tcagtgccag actggattct caacaaaaga agctcaacct 120
tccaatcctg ccaaccacca ctattggatc cttccctcag actgtagaac tgaggagggt 180
acgccgtgaa ttcaaggcta acaagatctc cgaggaagag tatgtaaagt caattaagga 240
ggaaattcgc aaagttgttg agcttcaaga agagcttgat attgatgttc ttgttcatgg 300
agaaccagag agaaatgata tggttgagta cttcgg 336

<210> 2816
 <211> 313
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2816

agtcgcangc acgcgtacgt aagctcggaa ttcggtcga gactcgaact tcaacgacat 60
 catccactcc atcatcgaca tggacgccga tggtatcacc attgagaact ctgctccga 120
 cgagaagctt ctgtcagtct tccgcgaagg tgtgaagtat ggtgctggaa ttggccctgg 180
 tgtctatgac atccactccc caagaatacc accaactgaa gaaattgctg acagaatcaa 240
 caagatgctg gcagtgtctg agangaacat cttgtgggnt gaacctgact gtgggctcaa 300
 gacccgtaaa gtn 313

<210> 2817
 <211> 304
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2817

gtcgcangca cgcgtacgta agctcggaa tccggtcga ngctgctttg agagagggtc 60
 ttccactgag gaaatcagag caagctcact acttggtgact ggctgtccat gccttcagaa 120
 tcaccaatgt tgggtgccag gataccaccc agatccacac tcacatgtgc tactcgaact 180
 tcaacgacat catccactcc atcatcgaca tggacgccga tggtatcacc attgagaact 240
 ctgctccga cgagaagctt ctgtcagtct tccgcgaagg tgtgaagtat ggtgctggaa 300
 ttgg 304

<210> 2818
 <211> 438
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2818

ccacgcgtcc gaagagagaa atgatatggn tnggtttttt ngagaacaat ngnnangctt 60
 tgcttgnac cgntaatggn tggntgcaga tcctatgggt nccgntgcgt gaagccaccg 120

atcatctatg gtgatgtgag ccgnccaaag ccaatgaccg tcttctggtc atctctggct 180
cagagcttta ccaagcgccc aatgaaggga atgcttaccg gtctgtttac cattctcaac 240
tggtcctttg ttagaaatga ccaacctaga tctgagacca cctaccagat tgctttgtct 300
atcaaggacn aantggaaga ccttgaaaag ggctggcatc actgntatcc aaattgatga 360
aactgctttg agagaagggt ctttcnactt gaggaaatca anaancaagc tcactacttt 420
gnacctgggn ttgtccat 438

<210> 2819
<211> 321
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2819

nattacancn tnagtcgcat gcacgcgtac gtaagctcgg aattcggctc gaggcaaaga 60
taagcttggt gtgtccacct cctcctccct tcttcacact gctgttgatc tagttaacga 120
gaccaagttg gatgatgaga tcaagtcatg gctagctttt gctgccccaa aaattgttga 180
agttaacgca ttggctaaag cattgtctgg ccacaaggat gaggccttct tctctggtaa 240
tgctgctgct ctggcttcaa ggaagtcctc tccaagagtg accaacgagg ctgttcagaa 300
ggctgctgct gcattgaagg g 321

<210> 2820
<211> 306
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2820

nacgtcgcan gcacgcgtac gtaagctcgg aattcggctc gagccaatgt tgggtgtccag 60
gataccaccc agatccacac tcacatgtgc tactcgaact tcaacgacat catccactcc 120
atcatcgaca tggacgccga tggtatcacc attgagaact ctgctccga cgagaagctt 180
ctgtcagtct tccgcgaagg tgtgaagtat ggtgctggaa ttggccctgg tgtctatgac 240
atccactccc caagaatacc accaactgaa gaaattgctg acagaatcaa caagatgctg 300
gcagtg 306

<210> 2821
 <211> 323
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2821

tcncatgcac gcgtacgtaa gctcgggaatt cggctcgagc tagcttttgc tgcccaaaaa 60
 attgttgaag ttaacgcatt ganctaaagc attgtctggc cacaaggatg aggccttctt 120
 ctctggtaat gctgctgctc tggcttcaag gaagtcttct ccaagagtga ccaacgaggc 180
 tgttcagaag gctgctgctg cattgaaggg ttcagatcat cgccgtgcaa caaatgtcag 240
 tgccagactg gattctcaac aaaagaagct caaccttcca atcctgcaa ccaccactat 300
 tggatccttc cctcagactg tag 323

<210> 2822
 <211> 290
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2822

acgtnagctc ggaattcggc tcgagcttgg actgggctgt ccatgccttc agaatcacca 60
 atgttggtgn gcaggatacc actcagatcc acaccacat gtgctactcc aacttcaacg 120
 acatcatcca ctccatcatc gacatggacg ctgatgttat caccattgag aactctcgct 180
 ccgatgagaa gctcctgtca gtcttccgtg aagggtgtgaa gtatgggtgct ggaattggcc 240
 ctggtgtcta gacatccact cccaagaat accaccaact gaagaaatcg 290

<210> 2823
 <211> 265
 <212> DNA
 <213> Glycine max

<400> 2823

ctgctgttga tcttgttaac gagaccaagt tggatgacga gatcaagtca tggctagcat 60
 ttgctgcaca aaaaattgtt gaagttaacg cattggctaa ggcattgtct ggcaacaagg 120
 atgtggcctt cttctctgct aatgctgcag ctcaggcttc aaggaagtcc tctccaagag 180

tgaccaacga ggctgttcag aaggctgctg ctgcattgaa gggttcagat catcgccgtg 240
 caacaaatgt cagtgccaga ctgga 265

<210> 2824
 <211> 289
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2824

cgtcgcatgc acgcgtacgt aagctcggaa ttcggctcga gcaaagttgt tgaacttcaa 60
 gaagagcttg atattgatgt tcttggttcat ggagaaccag agagaaatga tatggttgag 120
 tacttcggtg agcaattgtc aggcctttgcc ttcactgtta atgggtgggt gcaatcctat 180
 ggttcccgtt gtgtgaagcc accaatcatc tatgggtgatg tgagccgccc aaagccaatg 240
 actgtcttct ggctcatctct ggctcagagc tttaccaagc gcccaatgn 289

<210> 2825
 <211> 265
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2825

gttaacgcat tggctaaggc attgtctggc aacaaggatg tggccttctt ctctgctaata 60
 gctgcagctc aggccttcaag gaagtcctct ccaagagtga ccaacgaggc tgttcagaag 120
 gctgctgctg cattgaaggg ttcagatcat cgccgtgcaa caaatgtcag tgccagactg 180
 gatgctcaac aaaagaagct caaccttcca atccttccaa ccaccactat tggntccttc 240
 cctcagactg tagaactgag gaggg 265

<210> 2826
 <211> 304
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2826

agtcgcangc acgcgtacgt aagctcggaa ttcggctcga gcttcacact gctgttgatc 60

nagttaacga gaccaagttg gatgatgaga tcaagtcatg gctagctttt gctgccc aaa 120
aaattgttga agttaacgca ttggctaaaag cattgtctgg ccacaaggat gaggccttct 180
tctctggtaa tgctgctgct ctggcttcaa ggaagtcttc tccaagagtg accaacgagg 240
ctgttcagaa ggctgctgct gcattgaagg gttcagatca tcgccgtgca acaaattgtca 300
gtgc 304

<210> 2827
<211> 269
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2827

ctggtttgan tgttcttgtt gagacctact ttgctgacat ccctgctgag gcatacaaga 60
ccctcacatc tctgaatggc gtcactgcat atggatttga tttgggccgt ggaaccaaca 120
ctcttgattt gatcaagggg ggatttccca gcggaaaata cctctttgct ggagtgggtg 180
atggaaggna catctgggcc aatgaccttg ctgcttctct cactaccttg cagggctctg 240
agggcattgt gggcaaagat aagcttgtt 269

<210> 2828
<211> 315
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2828

tcncatnnag cgnaggtann tacgtaagct cggaattcgg ctcgagtacg gctgcgagaa 60
gacgacagaa gggcatggag aaccagagag caatgatatg gttgagtact tcggtgagca 120
attgtcaggc tttgccttca ctgttaatgg gtgggtgcaa tcctatggtt cccgttgtgt 180
gaagccacca atcatctatg gtgatgtgag ccgccc aaag ccaatgactg tcttctggtc 240
atctctggct cagagcttta ccaagcgccc aatgaaggga atgcttaccg gtctgtttac 300
cattctcaac tggtc 315

<210> 2829
<211> 320
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2829

gtcgcangca cgcgtacgtn agctcggnat tcggctcgag caagcgccca atgaaggga 60
tgcttaccgg tcctgttacc attctcaact ggctcttctg tagaaatgac caacctagat 120
ctgagaccac ctaccagatt gctttgtcta tcaaggacga ngtggaagac cttgaaaagg 180
cggcatcact gttatccaaa ttgatgaagc tgctttgaga gagggctctc cactgaggaa 240
atcagagcaa gctcactact tggactgggc tgtccatgcc ttcagaatca ccaatgttgg 300
tgtccaggat accacccaga 320

<210> 2830

<211> 512

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2830

gnngnnggnt ntganagggg naagggggga antttagaac agctatgacg tcgcatgcac 60
gcgtacgtaa gctcggaatt cggctcgagc aaggttcttg ctgtctacaa ggaagttatt 120
gctgacctta aggcagctgg tgcttcatgg attcagtttg atgagcctac ccttgtcttg 180
gaccttgagt ctcaacagtt gcaagcattc actgacgcat atgcagaact tgcgcctgct 240
ttgtctggtt tgaatgttct tgttgagacc tactttgctg acatccctgc tgaggcatac 300
aagaaccctt acatnttctt gaatggcgtc actgcatatg gatttgattt ggtccgtgga 360
accaacactc ttgatttgat caagggtgga tttccagcgg aaaatacctc tttcttgaa 420
tgggttgatg gaaggacatt tgggccaatg accttgctgg tttttttaat acctgcaggg 480
cttgaagggc atttgggcca aaataacctg tt 512

<210> 2831

<211> 325

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2831

nnngtcgcan gcacgcgtac gtaagctcg aattcggctc gaggttgagt acttcggtga 60

acaattgtca ggctttgcct tcaccgttaa tgggtgggtg caatcctatg gttcccgttg 120
 cgtgaagcca ccgatcatct atgggtgatgt gagccgcca aagccaatga ccgtcttctg 180
 gtcattcttg gctcagagct ttaccaagcg cccaatgaag ggaatgctta ccggtcctgt 240
 taccattctc aactggtcct ttgttagaaa tgaccaacct agatngagac cactaccaga 300
 ttgctttgtc tatcaaggac gaagg 325

<210> 2832
 <211> 323
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2832

nnnaagcntc angnacgcgt acgttagctc ggaattcggc tcgagggctt caaggaagtc 60
 ctctccaaga gtgaccaacg aggctgttca gaaggctgct gctgcattga agggttcaga 120
 tntcgccgt gcaacaaatg tcagtgccag actggatgct caacaaaaga agctcaacct 180
 tccaatcctt ccaaccacca ctattgntc cttccctcag actgtagaac tgaggaggga 240
 ccgccgtgag ttcaaggcta acaagatctc cgaggaagag tatgttaagt caattaagga 300
 ggaaattcgc aaagttgttg aan 323

<210> 2833
 <211> 296
 <212> DNA
 <213> Glycine max
 <400> 2833

gtcgcattgca cgcgtacgta agctcggat tcggctcgag agtcaattaa ggaggaaatt 60
 cgcaaagttg ttgaacttca agaagagctt gatattgatg ttcttggtca tggagaacca 120
 gagagaaatg atatggttga gtacttcggt gagcaattgt caggctttgc cttcactgtt 180
 aatgggtggg tgcaatccta tggttcccg tgtgtgaagc caccaatcat ctatggtgat 240
 gtgagccgcc caaagccaat gactgtcttc tggcatctc tggctcagag ctttac 296

<210> 2834
 <211> 265
 <212> DNA

<213> Glycine max

<400> 2834

cgcccaatga aggggaatgct taccggctcct gttaccattc tcaactggtc ctttgttaga 60
aatgaccaac ctagatctga gaccacctac cagattgctt tgtctatcaa ggacgaagtg 120
gaagaccttg aaaaggctgg catcactgtt atccaaattg atgaagctgc tttgagagag 180
ggctctccac tgaggaaatc agagcaagct cactacttgg actgggctgt ccatgccttc 240
agaatcacca atgttggtgt ccagg 265

<210> 2835

<211> 325

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2835

wgtngcnngc acgcgtacgt aagctcggaa ttcggctcga gttcccagtg gaaaatacct 60
ctttgctgga gtgggtgatg gaaggaacat ctgggccaat gaccttgctg cttctctcac 120
tacattgcag ggtcttgagg gcattgtggg caaagataag cttgttgtgt ccacctctc 180
ctcccttctt cacactgctg ttgatcttgt taacgagacc aagttggatg acgagatcaa 240
gtcatggcta gcatttgctg cacaaaaaat tgttgaagtt aacgcattgg ctaaggcatt 300
gtctggcaac aaggagtggc cttct 325

<210> 2836

<211> 346

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2836

gttaacgcat tggctaaggc attgtctggc aacaaggatg tggccttctt ctctgctaata 60
gctgcagctc aggcttcaag naagtcctct ccnagagtga ccaacgaggc tgttcagaag 120
gctgctgctg cattgaaggg ttcanatcat cgccgtgcaa caaatgtcag tgccagactg 180
gatgctcaac aaaagaagct caaccttcca atccttccaa ccaccactnt tgnntccttc 240
cctcagactg tagaactgag gagggtagc gtgagttcaa ggtaacaaga ntccgaggaa 300

gagtatgtta agnccattaa ggaganatnt caagtgtgaa ctnaag

346

<210> 2837

<211> 312

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2837

tcgcangcac gcgtacgtaa gctcggaatt cggctcgagg accttgctgc ttctctcact 60

acattgcagg gtcttgaggg cattgtgggc aaagataagc ttgttggtgc cacctcctcc 120

tcccttcttc aactgctgt tgatcttgtt aacgagacca agttggatga cgagatcaag 180

tcatggctag catttgctgc aaaaaaatt gttgaagtta acgcattggc taaggcattg 240

tctggcaaca aggatgtggc cttcttctct gctaattgctg cagctcaggc ttcaaggaag 300

tcctctccaa ga 312

<210> 2838

<211> 307

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2838

ntatcentnn acgtcgchang cacgcgtacg taagctcgga attcggctcg agngagggta 60

cgccgtgagt tcaaggctaa caagatctcc gaggaagagt atgttaagtc aattaaggag 120

gaaattcgca aagttgttga acttcaagaa gagcttgata ttgatgttct tgttcatgga 180

gaaccagaga gaaatgatat gggtgagtag ttcggtagc aattgtcagg ctttgccctc 240

actgttaatg ggtgggtgca atcctatggt tcccgttgtg tgaagccacc aatcatctat 300

ggtgatg 307

<210> 2839

<211> 310

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2839

cttnnagtcn catncacnag tacgnaantc ngcnnnncng ttcttggtga gacctacttt 60

gctgacatcc ctgctgaggc atacaagacc ctcacatctc tgaatggcgt cactgcatat 120
ggatttgatt tgggtccgtgg aaccaacact cttgatttga tcaaggggtgg atttcccage 180
ggaaaatacc tctttgctgg agtggttgat ggaaggaaca tctgggcaa tgaccttgct 240
gcttctctca ctaccttgca gggctctgag ggcattgtgg gcaaagataa gcttggttg 300
tccacctcct 310

<210> 2840
<211> 297
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2840

nttcgcatgc acgcgtacgt aagctcggaa ttcggctcga gcacctacca gattgctttg 60
tctatcaagg acgangtgga agaccttgaa aaggctggca tcaactgttat ccaaattgat 120
gaagctgctt tgagagaggg tcttccactg aggaaatcag agcaagctca ctacttgga 180
tgggctgtcc atgccttcag aatcaccaat gttggtgtcc aggataccac ccagatccac 240
actcacatgt gctactcgaa cttcaacgac atcatccact ccatcatcga catggac 297

<210> 2841
<211> 303
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2841

gtcgcttnat gcacgcgtac gtaagctcgg aattcggctc gagaaaaatt gttgaagtta 60
acgcattggc taaggcattg tctggcaaca aggatgtggc cttcttctct gctaattgctg 120
cagctcaggc ttcaaggaag tcctctccaa gagtgaccaa cgaggctgtt cagaaggctg 180
ctgctgcatt gaaggggttca gatcatcgcc gtgcaacaaa tgtcagtgcc agactggatg 240
ctcaacaaaa gaagctcaac cttccaatcc ttccaaccac cactattgga tccttccctc 300
aga 303

<210> 2842
<211> 241

<212> DNA
<213> Glycine max

<400> 2842

gttcttggtc atggagaacc agagagaaat gatatgggtg agtacttcgg tgaacaattg 60
tcaggctttg ccttcaccgt taatgggtgg gtgcaatcct atggttcccg ttgcgtgaag 120
ccaccgatca tctatgggtga tgtgagccgc ccaaagccaa tgaccgtctt ctggatcatct 180
ctgggtcaga gctttaccaa gcgcccgaatg aagggaatgc ttaccgggtcc tgttaccatt 240
c 241

<210> 2843
<211> 296
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2843

ntgcngcgta ngtaagctcg gaattcggct cgagtcaggc cttctttctt gctaattgctg 60
cagctcaggc ttcaaggaag tcctctccaa gagtgaccaa cgaggctggt cagaaggctg 120
ctgctgcatt gaagggttca gatcatcgcc gtgcaacaaa tgtcagtgcc agactggatg 180
ctcaacaaaa gaagctcaac cttccaatcc ttccaaccac cactattggn tccttccttc 240
agactgtaga actgaggagg gtacgccgtg agttcaaggc tancaagatc tccgag 296

<210> 2844
<211> 265
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2844

cgcccaatga agggaatgct taccggctct gttaccattc tcaactggtc ctttggttaga 60
aatgaccaac ctagatctga gaccacctac cagattgntt tgtctatcaa ggacgaagtg 120
gaagaccttg aaaaggctgg catcactgtt atccaaattg atgaagctgc tttgagagag 180
ggctctccac tgaggaaatc agagcaagct cactacttgg actgggctgt ccatgccttc 240
agaatcacca angttggtgt ccagg 265

<210> 2845
 <211> 315
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2845

atntgtcgca tgcncgcgta cgtaagctcg gnattcggct cgagngacat catccactcc 60
 atcatcgaca ggncgccgat gttatcacca ttgagaantc tcgctccgac gagangcttc 120
 tgtcagtctt ccgcgaaggt gtgangtatg gtgctggaat tggccctggt gtctatgaca 180
 tccactcccc aagaatacca ccaactgaag anattgctga cagaatcaac aagatgctgg 240
 cagtgtctga gaagnacatc ttgtgggtga nccctgactg tgggctcaag acccgtaagt 300
 aactgaggt gaagc 315

<210> 2846
 <211> 311
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2846

ngncatgcac gcgtacgtaa gctcgggaatt nggctcgagt cagatcatcg ccgtgcaaca 60
 aatgtcagtg ccagactgga ttctcaacaa aagaagctca accttccaat cctgccaaacc 120
 accactattg gatccttccc tcagactgta gaactgagga gggtagcccg tgaattcaag 180
 gctaacaaga tctccgagga agagtatgta aagtcaatta angaggaant tcgcaaagtt 240
 gttgagcttc aagaagagct tgatatngat gttcttggtc atggagaacc agagagaaat 300
 gatatggttg n 311

<210> 2847
 <211> 256
 <212> DNA
 <213> Glycine max

<400> 2847

gaagccaccg atcatctatg gtgatgtgag ccgccccaaag ccaatgaccg tcttctggtc 60
 atctctgggt cagagcttta ccaagcgccc aatgaaggga atgcttaccg gtcctgttac 120
 cattctcaac tggtcctttg ttagaaatga ccaacctaga tctgagacca cctaccagat 180

tgctttgtct atcaaggacg aagtggaaga ccttgaaaag gctggcatca ctgttatcca 240
 aattgatgaa gctgct 256

<210> 2848
 <211> 308
 <212> DNA
 <213> Glycine max
 <400> 2848

gtcgcatgca cgcgtacgta agctcggaat tcgggctcga ggatttgatc aagggtggat 60
 ttcccagcgg aaaatacctc tttgctggag tggttgatgg aaggaacatc tgggccaatg 120
 accttgctgc ttctctcact accttgacagg gtcttgaggg cattgtgggc aaagataagc 180
 ttgtttgtgc cacctcctcc tccttctctc acactgctgt tgatctagtt aacgagacca 240
 agttggatga tgagatcaag tcatggctag cttttgctgc ccaaaaaatt gttgaagtta 300
 acgcatgg 308

<210> 2849
 <211> 292
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2849

acaagnanna ngtagtaag ctcggaatt cggctcgagc cttcttctct gctaattgctg 60
 cagctcaggc ttcaaggaag tcctctccaa gagtgaccaa cgaggctgtt cagaaggctg 120
 ctgctgcatt gaagggttca gatcatcgcc gtgcaacaaa tgcagtgcc agactggatg 180
 ctcaacaaaa gaagctcaac cttccaatcc ttccaaccac cactattgga tccttccctc 240
 agactgtaga actgaggagg gtacgccgtg agttcaaggc taacaagatc tc 292

<210> 2850
 <211> 292
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2850

cgcangcacn cgtacgtaag ctcggaattc ggctcgagcc actgaggaaa tcgaacaagc 60

tcactacttg gactgggctg tccatgcctt cagaatcacc aatgttggtg tgcaggatac 120
 cactcagatc cacacccaca tgtgctactc caacttcaac gacatcatcc actccatcat 180
 cgacatggac gctgatgtta tcaccattga gaactctcgc tccgatgaga agctcctgtc 240
 agtcttccgt gaaggtgtga agtatgggtc tggaattggc cctgggtgtct at 292

<210> 2851
 <211> 327
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2851

gtcncangca cgcntacgta anctcggaat tcggctcgag aaatgatatg gttgagtact 60
 tcgggtgaaca attgtcaggc ttgacctca ccgttaatgg gtgggtgcaa tcctatggtt 120
 cccgttgcgt gaagccaccg atcatctatg gtgatgtgag ccgccccaaag ccaatnaccg 180
 tcttctgggtc atctctgggt cagagcttta ccaagcgccc aatgaaggga atgcttaccg 240
 gtccgtgttac cattctcaac tggctccttg ttagaaatga ccaacctang tataaactcc 300
 acaccgaaaa atgaacatca aggaggg 327

<210> 2852
 <211> 345
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2852

gtcgcangcn cgcgtacgtn agctcngaatt tcggctcgag cnnagaccct cacatctctg 60
 aatnggcgtc actgcatatg ggtttgatgtt ggtccgtgga acccatactc ttgatttgat 120
 caaggggtgga tttcccagtg gaaaataacct ctttgctgga gtgggtgatg gaaggnacat 180
 ctggggccaat gaccttgctg cttctctcac tacattgcag ggtcttgagg gcattgtggg 240
 caaagataag cttgttgtgt ccacctctc ctcccttctt cacactgctg ttgatcttgt 300
 taacgagacc aagttggatg acgagatcaa gtcattggcta gcatt 345

<210> 2853
 <211> 309

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2853

gtcgcnnngca cgcgtacgta agctcgggaat tcggctcgag gctgttcaga aggctgctgc 60
 tgcattgaag gggtcagatc atcgccgtgc aacaaatgtc agtgccagac tggatgctca 120
 acaaaagaag ctcaaccttc caatccttcc aaccaccact attggatcct tccctcagac 180
 tgtagaactg aggaggggtac gccgtgagtt caaggctaac aagatctccg aggaagagta 240
 tgtaaagtca attaaggagg aaattcgcaa agttgttgaa cttcaagaag agcttgatat 300
 tgatgttct 309

<210> 2854
 <211> 311
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2854

gtcgcangca cgcgtacgta agctcgggaat tcggctcgag gtgaagccac caatcatcta 60
 tgggtgatgtg agccgcccaa agccaatgac tgtcttcttg ttcatctctg gctcagagct 120
 ttaccaagcg cccaatgaag ggaatgctta ccggtcctgt taccattctc aactggtcct 180
 ttgttagaaa tgaccaacct agatctgaga ccacctacca gattgctttg gctatcaagg 240
 acgaatggag gaccttgaaa aggctggcat cactgttata caaattgatg aagctgcttt 300
 gagagagggt c 311

<210> 2855
 <211> 324
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2855

gtcgcngcac gcgtacgtaa gctcgggaatt cggctcgagc cactccatca tcgacatgga 60
 cgctgatgtt atcaccattg agaactctcg ctccgatgag aagctcctgt ncagtcttcc 120
 gtgaagggtg gaagtatggt gctggaattg gccctgggtg ctatgacatc cactccccaa 180

gaataccacc aactgaagaa atcgctgaca gaatcaataa gatgcttgca gtgctcgaga 240
agaacatctt gtgggtcaac cctgactgtg gttcaagacc cgcaagtaca ctgaagtgaa 300
gccagcccct nacaacatg gttg 324

<210> 2856
<211> 311
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2856

tcgcangcac gcgtacgtaa gctcggaatt cggctcgagc cttgaaaagg ctgggcatca 60
ctgttatcca aattgatgaa gctgctttga gaganggtct tccactgagg aaatcagagc 120
aagctcacta cttggactgg gctgtccatg ccttcagaat caccaatgtt ggtgtccagg 180
ataccacca gatccacact cacatgtgct actcgaactt caacgacatc atccactcca 240
tcatcgacat ggacgccgat gtttcaccat tgagaactct cgctccgacg agaagcttct 300
gtcagtcttc c 311

<210> 2857
<211> 258
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2857

ccgatgttat caccattgag aactctcgct ccgacgagaa gcttctgtca gtcttccgcg 60
aaggtgtgaa gtatggtgct ggaattggcc ctggtgtcta tgacatccac tccccaagaa 120
taccaccaac tgaagaaatt gctgacagaa tcaacaagat gctggcagtg ctcgagaaga 180
acatcttgtg ggtgaaccct gactgtgggc tcaagaccg taagtacact gaggtgaagc 240
cagccctana aananggt 258

<210> 2858
<211> 282
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2858

acgtcgcang cacgcgtacg taagctcgga attcggctcg aggagaaatg atatggttga 60
gtacttcggt gaacaattgt caggctttgc cttcaccgtt aatgggtggg tgcaatccta 120
tggttcccgt tgcgtgaagc caccgatcat ctatggtgat gtgagccgcc caaagccaat 180
gaccgtcttc tggatcatctc tggctcagag ctttaccaag cgcccaatga agggaatgct 240
taccggctct gttaccattc tcaactggtc ctttggttaga aa 282

<210> 2859
<211> 297
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2859

gcacgcgtac gtnagctcgg aattcggctc gaggcttctc tcactacatt gcagggctctt 60
gagggcattg tgggcaaaga taagcttggt gtgtccacct cctcctccct tcttcacact 120
gctgttgatc ttgttaacga gaccaagttg gatgacgaga tcaagtcattg gctagcattt 180
gctgcacaaa aaattgttga agttaacgca ttggctaagg cattgtcttg caacaaggat 240
gtggccttct tctctgctaa tgctgcagct caggcttcaa ggaagtcctc tccaaga 297

<210> 2860
<211> 286
<212> DNA
<213> Glycine max
<400> 2860

cacgcgtacg taagctcgga attcggctcg aggcgccccaa tgaagggaat gcttaccggt 60
cctgttacca ttctcaactg gtcctttggt agaaatgacc aacctagatc tgagaccacc 120
taccagattg ctttgtctat caaggacgaa gtggaagacc ttgaaaaggc tggcatcact 180
gttatccaaa ttgatgaagc tgctttgaga gagggctctc cactgaggaa atcagagcaa 240
gctcactact tggactgggc tgtccatgcc ttcagaatca ccaatg 286

<210> 2861
<211> 303
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2861

```

cgcatgcncg cgtacgtaag ctcggaattc ggctcgagaa gcattgtctg gncacaagga   60
tgaggccttc ttctctggta atgctgctgc tctggcttca aggaagtctt ctccaagagt  120
gaccaacgag gctgtncaga aggctgctgc tgcattgagg gttcagatca tcgccgtgca  180
acaaatgtca gtgccagact ggattctcaa caaagaagc tcaaccttcc aatcctgcca  240
accaccacta ttggatcctt ccctcagact gtagaactga ggagggtacg ccgtgaattc  300
aag                                                                 303

```

<210> 2862
<211> 311
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2862

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gtcgcangca cgcgtacgta agctcggaat tcgngctcga gtcaccattg agaactctcg   60
ctccgatgag aagctcctgt cagtcttccg tgaagggtgtg aagtatggtg ctggaattgg  120
ccctggtgtc tatgacatcc actccccaag aataccacca actgaagaaa tcgctgacag  180
aatcaataag atgcnngcag tgctcgagaa gaacatcttg tgggtcaacc ctgactgtgg  240
tctccaagac ccgcaagtac actgaagtga agccagccct caaaacatg gttgccgcag  300
caaaactcat c                                                                 311

```

<210> 2863
<211> 296
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2863

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gtngcatgca nncctcggct cgaggacgag aagcttctgt cagtcttccg cgaagggtgtg   60
aagtatggtg ctggaattgg ccctggtgtc tatgacatcc actccccaag aataccacca  120
actgaagaaa ttgctgacag aatcaacaag atgctggcag tgctcgagaa gaacatcttg  180
tgggtgaacc ctgactgtgg gctcaagacc cgtaagtaca ctgagggtgaa gccagccctc  240
acaaacatgg ttncgcagc aaaactcatc cgcaacgaac ttgccaagtg anggta       296

```

<210> 2864
 <211> 305
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2864

tcgcangcac gcgtacgtaa gctcgggaatt cggctcgagn cgacacctac ttctccatgg 60
 ccagaggtaa tgctaccgtg cctgctatgg agatgancaa ntggttcgac accaactacc 120
 actntattgt ccttgaattg ggccctgatg tgaacttcac ctatgcttct cacaaggctg 180
 ttgatgaata caaggaggcc aaggcgcttg gagtggatac cattcccgtc ctcgttggcc 240
 ctgttacata cttgttgctc tccaagcctg ccaagggagt cgagaaatcc ttttctctcc 300
 tctct 305

<210> 2865
 <211> 280
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2865

tcgcangcac gcgtacgtaa gctcgggaat tcggctcgag caacttcaac gacatcatcc 60
 actccatcat cgacatggac gctgatgtta tcaccattga gaactctcgc tccgatgaga 120
 agctcctgtc agtcttccgt gaagggtgtga agtatgggtgc tggaattggc cctgggtgtct 180
 atgacatcca ctccccaaga ataccaccaa ctgaagaaat cgctgacaga atcaataaga 240
 tgcttgcaagt gctcgagaag aacatcttgt ggggtcaaccc 280

<210> 2866
 <211> 287
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2866

gannctcgcg tacgttagct cggaattcgg ctcgaggcca caaggatgag gccttcttct 60
 ctggtaatgc tgctgctctg gtttcaagga agtcttctcc aagagtgacc aacgaggctg 120

ttcagaaggc tgctgctgca ttgaaggggt cagatcatcg ccgtgcaaca aatgtcagtg 180
ccagactgga ttctcaacaa aagaagctca accttccaat cctgccaacc accactattg 240
gatccttccc tcagactgta gaactgagga gggtagcccg tgaattc 287

<210> 2867
<211> 324
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2867

ncntgcgtac gtaagctcgg nntncggng ctcnggaatt cggctcgagc aagaagagct 60
tgatattgat gttcttggtc atggagaacc agagagaaat gatatggttg agtacttcgg 120
tgaacaattg tncaggcttt gccttcaccg ttaatgggtg ggtgcaatcc tatggttccc 180
gttgcgtaga gccacgatca tctatggtga tgtgagccgc ccaaagccaa tgaccgtctt 240
ctggatcatct ctggctcaga gctttaccaa gcgcccaatg aagggaatgc ttaccggtcc 300
tgttaccatt ctcaactggc cctt 324

<210> 2868
<211> 273
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2868

gtcnnatgca cgcgtncgta agctcggaat tcngctcgag tggagaacca gagagaaatg 60
atatggttga gtacttcggt gagcaattgt caggctttgc cttcactggt aatgggtggg 120
tgcaatccta tggttcccgt tgtgtgaagc caccaatcat ctatggtgat gtagccgccc 180
aaagccaatg actgtcttct ggtcatctct ggctcagagc tttaccaagc gcccaatgaa 240
gggaatgctt accggtcctg ttaccattct caa 273

<210> 2869
<211> 296
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2869

tcgcatgcac gcgtacgtna gctcgggaatt cggctcgagc agaaggctgc tgctgcattg 60
aagggttcag atcatcgccg tgcaacaaat gtcagtgcc a gactggatgc tcaacaaaag 120
aagctcaacc ttccaatcct tccaaccacc actattggat ccttccctca gactgtagaa 180
ctgaggaggg tacgccgtga gttcaaggct aacaagatct ccgaggaaga gtatgttaag 240
tcaattaagg aggaaattcg caaagttggt gaacttcaag aagagcttga tattga 296

<210> 2870
<211> 301
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2870

gtcgcangca cgcgtacgta agctcgggaat tcggctcgag tgctgctctg gcttcaagga 60
agtcttctcc aagagtgacc aacgaggctg ttcagaaggc tgctgctgca ttgaaggggt 120
cagatcatcg ccgtgcaaca aatgtcagt ccagactgga ttctcaacaa aagaagctca 180
accttccaat cctgccaaacc accactattg gatccttccc tcagactgta gaactgagga 240
gggtacgccg tgaattcaag gctaacaaga tctccgagga agagtatgta aagtcaatta 300
a 301

<210> 2871
<211> 300
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2871

cgtcgcangc acgcgtacgt nagctcgga ttcggctcga ngcagaactt gcgcctgctt 60
tgtctggttt gaatgttctt gttgagacct actttgctga catccctgct gaggcataca 120
agaccctcac atctctgaat ggcgtcactg catatggatt tnatttggtc cgtggaacca 180
acactcttga tttgatcaag ggtggatttc ccagcggaaa atacctcttt gctggagtgg 240
ttgatggaag gaacatctgg gccaatgacc ttgctgcttc tctcactacc ttgcagggtc 300

<210> 2872
<211> 558

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2872

gagangcgct gtcttnancn gntgctgttc ngentccctc cggaattccc gggtcgaccc 60
 angcgtacgc ncacgcntcc agagtgacca acgangctgt tcataaagct gctgctgcat 120
 tgaangactg ggatggntc cgtgcaacaa atgtcagtgc cagactggat tctcaacana 180
 agaagctcaa ccttccaatc ctgccaacca ccactattgg atccttncct cagactgtat 240
 aactgaggag ggtacncnt gaattnaagg ctaacangat ctccnaggaa nagtatgtaa 300
 agtcaattaa ngaggaaatt cgcaaanntt gtttnaactn naanaagagc ttgatattga 360
 tgttcttggt catggatanc canagagaaa tgatatgggt gagtnctttn ggtgaacaaa 420
 ttttnaange ttttncctt taccgntaa tnggttgggt gcaatnctat nggtttcccn 480
 ttgnngttaa agcctcctat cattttattg gngnttttta gcccntocaa angccaattg 540
 accntcttt ttnttatt 558

<210> 2873
 <211> 279
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2873

cgtnagctcg gaattcggct cgagggagaa ccagagagaa atgatatgggt tgagtacttc 60
 ggtgagcaat tgtccaggct ttgccttcac tgttaatggg tgggtgcaat cctatgggtc 120
 ccgttggtg aagccaccaa tcatctatgg tgatgtgagc cgcccaaagc caatgactgt 180
 cttctgggtca tctctggctc agagctttac caagcgcca atgaaggga tgcttaccgg 240
 tcctgttacc attotcaatg gtcctttggt agaaatgac 279

<210> 2874
 <211> 295
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2874

acgcgnacgt aagctcggga attcggctcg agcctagatc tgagaccacc taccagattg 60
ctttgtctat caaggacgaa gtggaagacc ttgaaaaggc tggcatcact gttatccaaa 120
ttgatgaagc tgctttgaga gaggggtcttc cactgaggan atcagancaa gctcactact 180
tggactgggc tgtccatgcc ttcagaatca ccaatgttgg tgtccaggat accacccaga 240
tccacactca catgtgctac tcgaattcaa cgacatcatc cactccatca tcgag 295

<210> 2875
<211> 303
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2875

nttngcacgc gtacgtaagc tcggaattcg gctcgagctt gctgtctaca aggaagttat 60
tgctgacctt aaggcagctg gtgcttcatg gattcagttt gatgagccta cccttgtctt 120
ggaccttgag tctcacaagt tgcaagcatt cactgacgca tatgcagaac ttgcgcctgc 180
tttgtctggt ttgaatgttc ttgttgagac ctactttgct gacatccctg ctgaggcata 240
caagaccctc acatctctga atggcgtcac tgcatatgga tttgatttgg tccgtggaac 300
caa 303

<210> 2876
<211> 293
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2876

annnganac gtcgcangca cgcgtacgta agctcgggaat tcggctcgag ncactcacat 60
gtgctactcg aacttcaacg acatcatcca ctccatcatc gacatggacg ccgatgttat 120
caccattgag aactctcgct ccgacgagaa gctnctgtca gtcttccgag aaggtgtgaa 180
gtatggtgct ggaattggcc ctggtgtcta tgacatccan tccccaagaa taccaccaac 240
tgangaaatt gctgacagaa tcaacaagat gctggcantg ctcgagaaga aca 293

<210> 2877
<211> 291
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2877

gncgtcgcan gcacgcgtac gtaagctcgg aattcggctc gaggttagaa atgaccaacc 60
tagatctgag accacctacc agattgcttt ggctatcaag gacgaagtgg aggaccttga 120
aaaggctggc atcactgtta tccaaattga tgaagctgct ttgagagagg gtctgccact 180
gaggaaatca gaacaagctc actacttgga ctgggctgtc catgccttca gaatcaccaa 240
tgttggtgtg caggatacca ctcatatcca caccacatg tgctactcca a 291

<210> 2878

<211> 298

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2878

ctnanngcgt cgcangcacg cgtacgtnag ctcggaattc ggctcgaggg gaatgcttac 60
cggtcctgtt accattctca actggtcctt tgtagaaat gaccaaccta gatctgagac 120
cacctaccag attgctttgt ctatcaagga cgaagtggaa gaccttgaaa aggctggcat 180
cactgttata caaattgatg aagctgcttt gagagagggg cttccactga ggaaatcaga 240
gcaagctcac tacttggact gggctgtcca tgccttcaga atcaccaatg ttggtgtc 298

<210> 2879

<211> 310

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2879

agtcgcangc acgcgtacgt aagctcggaa ttcggctcga gatgggtggg tgcaatccta 60
tggttcncgt tgtgtgaagc caccaatcat ctatggtgat gtgagcngnc caaagccaat 120
gactgtcttc tggctcatctc tggctcagag ctttaccaag cgcccaatga agggaatgct 180
taccggctct gttaccattc tcaactggtc ctttggttaga aatgaccaac ctagatctga 240
gaccacctac cagattgctt tggctatcaa ggacgaagtg ggaggacctt gaaaaggctg 300
gcatcatggt 310

<210> 2880
 <211> 279
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2880

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tcgatgcacg cgtacgtaag ctcggaattc ggctcgagga agccaccaat catctatggt 60
gatgtgagcc gcccaaagcc aatgactgtc ttctgggtcat ctctgggtca gagctttacc 120
aagcgcccaa tgaagggaat gcttaccggt cctgttacca ttctcaactg gtcctttntt 180
agaaatgacc aacctagatc tgagaccacc taccagattg ctttgggtat caaggacgaa 240
gtggaggacc ttgaaaaggc tggcatcact gttatccaa 279
```

<210> 2881
 <211> 280
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2881

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tttatgcagc gtacgtnagc tcggaattcg gctcgaggnc aattaaggag gaaattcgca 60
aagttgttga acttcaagaa gagcttgata ttgatgttct tgttcatgga gaaccagaga 120
gaaatgatat ggttgagtac ttcggtgagc aattgtcagg cttgccttca ctgttaatgg 180
gtgggtgcaa tcctatggtt cccgttgtgt gaagccacca atcatctatg gtgatgtgag 240
ccgccccaaag ccaatgactg tcttctggtc atctctggct 280
```

<210> 2882
 <211> 344
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2882

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gtcgcacgca cgcgtacgtn agctcggaat tcggctcgag naccactatt ggatccttcc 60
ctcagactgt agaactgagg agggtagccc gtgaattcaa ggctaacaag atctccgagg 120
aagagtatgt aaagtcaatt aaggaggaaa ttcgcaaagt tggtgagctt caagaagagc 180
```

ttgatattga tgttcttggt catggagaac cagagagaaa tgatatgggt gagtacttcg 240
 gtgaacaatt gtcaggcttg ccttcaccgt taatgggtgg gtgcaatcct aggttcccg 300
 tgcgtgaagc caccgatcat ctatggtgag tgagccgcc aaag 344

<210> 2883
 <211> 276
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2883

acngtacgt aagctcggaa ttcggctcga gnatgggtcc cgttgctga agccaccgat 60
 catctatggt gatgtgagcc gcccaaagcc aatgaccgtc ttctggctcat ctctggctca 120
 gagctttacc aagcgcccaa tgaagggaat gcttaccggt cctgttacca ttctcaactg 180
 gtcctttggt agaaatgacc aacctagatc tgagaccacc taccagattg ctttgtctat 240
 caaggacgaa gtggaagacc ttgaaaaggc tggcat 276

<210> 2884
 <211> 288
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2884

gtngcangcg tacgtaagct cggaattcgg ctcgagggtta atgggtgggt gcaatcctat 60
 ggttcccggt gtgtgaagcc accantcatc tatggtgatg tgagccgccc aaagccaatg 120
 actgtcttct ggtcatctct ggctcagagc ttaccaagc gcccaatgaa gggaatgctt 180
 accggtcctg ttaccattct caactgggtcc tttgttagaa atgaccaacc tagatctgag 240
 accacctacc agattgcttt ggctatcaag gacgaatgga ggaccttg 288

<210> 2885
 <211> 314
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2885

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tacattgnca gggctcttgag ggcattgtgg gcaaagataa gcttggttg tccacctct 120
cctcccttct tcacactgct gttgatcttg ttaacgagac caagttggat gacgagatca 180
agtcattggct agcatttgct gcacaaaaaa ttgttgaagt taacgcattg gctaaggcat 240
tgtctggcaa caaggatgtg gccttcttct ctgctaattgc tgcagctcag gcttcaagga 300
agtcctctcc aaga 314

<210> 2886
<211> 304
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2886

gncgcatgca cgcgtacgta agctcggaat tcggctcgag cttgatttga tcaaggggtgg 60
atttcccagc ggaaaatacc tctttgctgg agtggttgat ggaaggaaca tctgggcca 120
tgaccttgct gcttctctca ctaccttgca gggctcttgag ggcattgtgg gcaaagataa 180
gcttggttg tccacctct cctcccttct tcacactgct gttgatctag ttaacgagac 240
caagttggat gatgagatca agtcattggct agcttttgct gccccaaaaa tgttgaagtt 300
aacg 304

<210> 2887
<211> 275
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2887

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ttctggatcat ctctggctca gagctttacc aagcgcccaa tgaagggaat gcttaccggt 120
cctgttacca ttctcaactg gtcctttggt agaaatgacc aacctagatc tgagaccacc 180
taccagattg ctttggctat caaggacgaa gtggaggacc ttgaaaaggc tggcatcact 240
gttatccaaa ttgatgaagc tgctttgaga gaggg 275

<210> 2888
<211> 257

<212> DNA
 <213> Glycine max

<400> 2888

cgcatatgca gaacttgac ctgctttgtc tgatctgaat gttcttggtg agacctactt 60
 tgctgacatc cctgctgagg cgtacaagac cctcacatct ctgaatggcg tcaactgcata 120
 tgggtttgat ttggtccgtg gaaccatac tcttgatttg atcaagggtg gatttcccag 180
 tggaaaatac ctctttgctg gagtgggtga tggaaggaac atctgggcca atgaccttgc 240
 tgcttctctc actacat 257

<210> 2889
 <211> 278
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2889

tcgcangcac gcgtacgtaa gctcgggaatt cggctcgagt gttcttggtg agacctactt 60
 tgctgacatc cctgctgnng catacaagac cctcacatct ctgaatggcg tcaactgcata 120
 tggatttgat ttggtccgtg gaaccaaacac tcttgatttg atcaagggtg gatttcccag 180
 cggaaaatac ctctttgctg gagtgggtga tggaaggaac atctgggcca atgaccttgc 240
 tgcttctctc actaccttgc agggctcttga gggcattg 278

<210> 2890
 <211> 298
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2890

ctgcacgcgt acgtaagctc ggaattnggc tcgagctcga gccgctcgag ccgaccttga 60
 aaaggctggc atcaactgtta tccaaattga tgaagctgct ttgngagagg gtcttccact 120
 gaggaaatca gagcaagctc actacttggga ctgggctgtc catgccttca gaatcaccaa 180
 tgttggtgtc caggatacca cccagatcca cactcacatg tgctactcga acttcaacga 240
 catcatccac tccatcatcg acatggacgc cgatgttatc accatgagaa tctcgtctc 298

<210> 2891
 <211> 316
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2891

gtcgcangca cgcgtacgta agctcggaat tcggctcgag ntccgaggaa gagtatgtta 60
 agtcaattaa ggaggaaatt cgcaaagttg ttagaacttc aagaagagct tgatattgat 120
 gttcttggtc atggagaacc agagagaaat gatatggttg agtacttcgg tgagcaattg 180
 tnangctttg ccttcactgt taatgggtgg gtgcaatcct atggttcccg ttgtgtgaag 240
 ccaccaatca tctatggtga tgtgagccgc ccaaagccaa tgactgtctt ctggtcactt 300
 ctggctcaga gcttta 316

<210> 2892
 <211> 289
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2892

gtcgcangca cgcntacgtn agctcgaggaa ttcggctcga gngactggat gctcaacaaa 60
 agaagctcaa ccttccaatc cttccaacca ncactattgg atccttcctt cagactgtag 120
 aactgaggag ggtacgccgt gagttcaagg ctaacaagat ctccgaggaa gagtatgtta 180
 agtcaattaa ggaggaaatt cgcaaagttg ttgaacttca agaagagctt gatattgatg 240
 ttcttgttca ggagaaccag agagaaatga tatggttgag tacttcggt 289

<210> 2893
 <211> 320
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2893

gttactgcac gngtacgtaa gctcggaatt nggctcgagc tcgagccgct atggtgatgt 60
 gagccgccca aagccaatga ccgtcttctg gtcactctctg gctcagagct ttaccaagcg 120
 cccaatgaag ggaatgctta ccggtcctgt taccattctc aactggctcct ttgttagaaa 180

tgaccaacct agatctgaga ccacntacca gattgctttg tctatcaagg acgaagtgga	240
agaccttgaa aaggctggca tcaactgttat ccaaattgat gaagcgcttt gagagaggggt	300
cntccactga ggaaatcaga	320

<210>	2894
<211>	302
<212>	DNA
<213>	Glycine max
<223>	unsure at all n locations
<400>	2894

gtcgcacatgca cgcgtacgta agctcggaat tcggctcgag cgtaaattggg tgggtgcaat	60
cctatgggttc ccgttgcggtg aagccaccga tcatctatgg tgatgtgagc cgcccaaagc	120
caatgaccgt cttctgggtca tctctgggtc agagntttac caagcgccca atgaagggaa	180
tgcttaccgg tcctgtttacc attctcaact ggtcctttgt tagaaatgac caacctagat	240
ctgagaccac ctaccagatt gctttgtcta tcaaggacga atggaagacc ttgaaaaggc	300
tg	302

<210>	2895
<211>	313
<212>	DNA
<213>	Glycine max
<223>	unsure at all n locations
<400>	2895

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tcctatgggtt ccggttgcggt gaagccaccg atcatctatg tgatgtgag ccgccccaaag	120
ccaatgaccg tcttctgggtc atctctgggt cagagcttta ccaagcgccc aatgaaggga	180
ntgcttaccg gtctgtttac cattctcaac tggctcctttg ttagaaatga ccaacctaga	240
tctgagacca cctaccagat tgctttgtct atcaaggacg aatggaagac cttgaaaagg	300
ctggcatcat gtt	313

<210>	2896
<211>	312
<212>	DNA
<213>	Glycine max

<223> unsure at all n locations
 <400> 2896

cantcgnang nacgcgtacg taagctcgga attcgggtnc naggaaanta cctctttgct 60
 ggagtgggtg atggaaggaa catctgggcc aatgaccttg ctgcttctct cactaccttg 120
 cagggctcttg agggcattgt gggcaaagat aagcttggtg tgtccacctc ctctccctt 180
 cttcacactg ctgttgatct agttaacgag accaagttgg atgatgagat caagtcattg 240
 ctagcttttg ctgcccaaaa aattgttgaa gttaacgcat ggctaaagca tgtctggcca 300
 caaggatgag gg 312

<210> 2897
 <211> 291
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2897

gcngcacgcg tacgtaagct cggaattcgg ctcgaggatt gcacccaccc attaacggtg 60
 atgtgagccg cccaaagcca atgacctct tctggctcag tctggctcag agctttacca 120
 agcgcccaat gaagggaatg cttaccggtc ctgttaccat tctcaactgg tcctttgtta 180
 gaaatgacca acctagatct gagaccacct accagattgc tttgtctatc aaggacgaag 240
 tggaagacct tgaaaaggct ggcactcactg ttatccaaat tgatgaagct g 291

<210> 2898
 <211> 312
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2898

agtcgcatgc acgcgtacgt aagctcggaa ttcggctcga gctcagatgt tcnttccatc 60
 aaccactcca gcnaagataa ncttgtngtg tccacctcct cctcnnttct tcacactgct 120
 gtngatnttg ttaacgagac caagttggat gacgagatca agtcattggt agcatttgct 180
 gcacaaaaaa ttgttgaagt taacgnattg gctaaggcnt tgtctggcaa caaggatgtg 240
 gccttcttnt ctgctaattgc tgcagctcag gcttcaagga agtcntctcc aagagtgacc 300
 aacgaggctg tt 312

<210> 2899
 <211> 247
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2899

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 tgctgacatc cctgctgagg cgtacaagac cctcacatct ctgaatggcg tcaactgcata 120
 tgggtttgat ttgggtccgtg gaaccatac tcttgatttg atcaagggtg gatttcccag 180
 tggaaaatac ctctttgctg gagtggttga tggaaggaac atctgggcca atgaccttgc 240
 tgcttct 247

<210> 2900
 <211> 317
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2900

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 taccattctc aactggctct ttgtagaaa tgaccaacct agatctgaga ccacctacca 120
 gattgctttg tctatcaagg acganacngg aagaccttga aaaggctggc anccactgtt 180
 ntccaaattg atgaagctgc ttgagagag ggtcttcac tgaggaaatc agagcaagct 240
 cactacttgg actgggctgt ccatgccttc agaatacca atgttggtgt ccaggatacc 300
 acccagatcc aactna 317

<210> 2901
 <211> 285
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2901

gtctatgcac gcgtacgtaa gctcggaatt cggctcgagc gagaccangt tggatgacga 60
 gatcaagtca tggctagcat ttgctgcaca aaaaattgtt gaagttaacg cattggctaa 120

ggcattgtct gncaacaagg atgtggcttc ttctctgcta atgctgcagc tcaggcttca 180
 aggaagtcct ctccaagagt gaccaacgag gctgttcaga aggctgctgc tgcattgaag 240
 ggttcagatc atcgccgtgc aacaaatgtc agtgccagac tggat 285

<210> 2902
 <211> 264
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2902

gtcgcangca cgcgtacgta agctcggaat tcggctcgag nacaagatct ccgaggaaga 60
 gtatgtaaag tcaattaagg aggaaattcg caaagttggt gagcttcaag aagagcttga 120
 tattgatgtt cttgttcattg gagaaccaga gagaaatgat atggttgagt acttcggtga 180
 acaattgtca ggctttgcct tcaccgttaa tgggtgggtg caatcctatg gttcccgttg 240
 cgtgaagcca ccgatcatct atgg 264

<210> 2903
 <211> 299
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2903

gtcgcangca cgcgtacgta agctcggaat tcggctcgag ctgaattggg ccctgatgtg 60
 aacttcacct atgcttctca caaggctgtt gatgaatata aggaggccaa ggcgcttgga 120
 gtggatacca ttcccgtaact cgttggccct gttacatact tgttgctctc caagcctgcc 180
 aaggagtcg agaaatcctt ttctctcctc tctctccttc ccaaggttct tgctgtctac 240
 aaggaagtta ttgctgacct taaggcagct ggtgcttcat ggattcaatt gatgagcct 299

<210> 2904
 <211> 305
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2904

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ggcagctggt gcttcatggn ttcaatttga tgagcctacc cttgtcttgg accttgaatc 120
tcacaagttg caagctttca ctgacgcata tgcanaactt gcacctgctt tgtctgatct 180
gaatgttctt gttgagacct actttgctga catccctgct gaggcgtaca agaccctcac 240
atctctgaat ggcgtcactg catatggggt tgatttggtc cgtggaaccc atactcttga 300
tttga 305

<210> 2905
<211> 299
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2905

actacgcatg cagcgtacg taagctcgga attcggctcg agtctggctc agagctttac 60
caagcgccca atgaagggaa tgcttacnrg tctgtttacc attctncaac tggtcctttg 120
ttagaaatga ccaacctaga tctgagacca cctaccagat tgctttgtct atcaagntga 180
agtggaagac cttgaaaagg ctggcatcac tgttatccaa attgatgaag ctgctttgag 240
agagggctct ccaactgagga aatcagagca agctcactac ttggactggg ctgtccatg 299

<210> 2906
<211> 286
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2906

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tacctctttg ctggagtggg tgatggaagg aacatctggg ccaatgacct tgctgcttct 120
ctcactacat tgcaggggtct tgagggcatt gtgggcaaag ataagcttgt tgtgtccacc 180
tcccctccct tcttcacact gctgttgatc ttgttaacga gaccaagttg gatgacgaga 240
tcaagtcatg gctagcattt gctgcacaaa aaattgttga agttaa 286

<210> 2907
<211> 313
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2907

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agtcgctgcn nncgtcggaa ttcggctcga ggtctacaag gaagtnattg ctggacctta   60
aggcagctgg tgcttcatgg attcaatntg atgagcctac ccttatcttg gaccttgaat  120
ctcanaagtt gcaagctttc actgacgcat atgcagaact tgcacctgct ttgtctgac  180
tgaatgtntc ngtnagacn cactttgttg acatccctgc tgaggcgtac aagaccctca  240
catctctgaa tggcgctcact gcatatgggt ttgatttggg ccgtggaacc catactcttg  300
atttgatcaa ggg                                                    313

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<210> 2908
<211> 274
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2908

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acgtcgchang cacgcgtacg taagctcggg attcggctcg agtggattct caacaaaaga   60
agctcaacct tccaatcctt ccaaccacca ctattggntc cttccctcag actgtagaac  120
tgaggagggt acgccgtgaa ttcaaggcta acaagatctc cgaggaagag tatgtaaagt  180
caattaagga ggaaattcgc aaagttgttg agcttcaaga agagcttgat attgatgttc  240
ttgttcatgg agaaccagag agaaatgata tggt                                274

```

<210> 2909
<211> 276
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2909

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gcatgcncgc gtncgtnagc tcggaattcg gctcgagtct ggctcagagc tttaccaagc   60
gcccaatgaa gggaatgctt accggtcctg ttaccattct caactggtcc tttgttagaa  120
atgaccaacc tagatctgag accacctacc agattgcttt gtctatcaag gacgaagtgg  180
aagaccttga aaaggctggc atcactgtta tccaaattga tgaagctgct ttgagagagg  240
gtcttccact gaggaaatca gagcaagctc atactt                                276

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<210> 2910
 <211> 252
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2910

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 aatgtttcttg ttgagacctt ctttgctgac atccctgctg aggcgtacaa gaccctcaca 120
 tctctgaatg gcgtcactgc atatgggttt gatttggtcc gtggaacca tactcttgat 180
 ttgatcaagg gtggatttcc cagtggaaaa tacctctttg ctggagtggg tgatggnagg 240
 nacatctggg cc 252

<210> 2911
 <211> 286
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2911

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 gcaacaagga tgtggccttc ttctctgcta atgctgcagc ttcaggcttc aaggaagtcc 120
 totccaagag tgaccaacga ggctgttcag aaggctgctg ctgcattgaa gggttcagat 180
 catcgccgtg caacaaatgt cagtgccaga ctggnctgctc aacaaaagaa gctcaacctt 240
 ccaatccttc caaccaccac tattgntcct tcctcagacg tgtgaa 286

<210> 2912
 <211> 293
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2912

cgctcgnngca cgcgtacgtn agctcggnan tnggctcgag ctcgagccgc aagagtgacc 60
 aacgaggctg ttcagaaggc tgctgctgca ttgaaggggt cngatcatcg ccgtgcaaca 120
 aatgtcagtg ccagactgga ttctcaacan aagaagctca accttccaat cctgccaacc 180
 accactattg gatccttccc tcagactgta gaactgagga gggtagcccg tgaattcnag 240

gctaacaaga tctccgagga agagtatgta nngtcaatta agngggaaat tcg 293

<210> 2913
 <211> 274
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2913

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 ctgctgcatt gaagggttca gatcatcgcc gtgcaacaaa tgtcagtgcc agactggatt 120
 ctcaacaaaa gaagctcaac cttccaatcc tgccaaccac cactattgga tccttccttc 180
 agactgtaga actgaggagg gtacgccgtg aattcaaggc taacaagatc tccgaggaag 240
 agtatgtaaa gtcaattaag gaggaattc gcaa 274

<210> 2914
 <211> 283
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2914

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 atattgnngt tcntgntcat ggaganccan agagaaatga tatggttgag tacttcgggtg 120
 aacaattgtc aggctttgct ttcaccgtta atgggtgggt gcaatcctat ggntcccgtt 180
 gcgtgaagcc ancgatcatc tatggtgatg tnagccgccc aaagccaatg accgtnttct 240
 ggatcatctt ggctcagagc tttaccaagc gccaatgaag gga 283

<210> 2915
 <211> 534
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2915

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 cacgcgtccg nncacncgtc cgctgcagaa gacgactgaa nggagagctt gatattgatg 120

ttcttgggca tggagaacca gagagaantg atgtggttga gtacttcggt gagcaattgt 180
 caggctttgc cttcactgtt aatgggtggg tgcaatccta tggttcccgt tgtgtgaanc 240
 caccnatcat ctatggtgat gtgagcccc aaanccaatg actgtcttct ggtcatctct 300
 ggctcananc tttaccaatc gcccnntgaa anggaatnct tnccgggcct gttacattnt 360
 naacttgggc ctttntttna anatnancaa cctatttntt annccnctnc nttattnttt 420
 tnncttttna ggatnatnng nttgnnttt tanaaanggg ttngatnat ttntttntn 480
 natntnttn atnnnnntn tntnaaang ntntntnat tnngnaataa natt 534

<210> 2916
 <211> 297
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 2916

gttaacgaga ccaagcnanc catgacttga tctcatcatc caacttggtc tcgttaacta 60
 gatcaacagc agtgtgaaga agggaggagg agatcaagtc atggctagct tttgctgccc 120
 aaaaaattgt tgaagttaac gcattggcta aagcattgtc tggccacaag gatgaggcct 180
 tcttctctng taatgctgct nctctggctt caaggaagtc ttctccaaga gtgaccaacg 240
 aggctgttca gaaggctgct gctgcattga agggttcaga tcatcgccgt gcaacaa 297

<210> 2917
 <211> 410
 <212> DNA
 <213> Glycine max

 <400> 2917

gtatggtgct ggaattggcc ctggtgtcta tgacatccac tccccaagaa taccaccaac 60
 tgaagaaatc gctgacagaa tcaataagat gcttgagtg ctcgagaaga acatcttgtg 120
 ggtcaaccct gactgtggtc ttaagacccg caagtacact gaagtgaagc cagccctcac 180
 aaacatggtt gccgcagcaa aactcatccg taacgaactt gccaaagtga tggataaga 240
 aagtagaatc tacaagttca ttggttctgc tttataata caccaaagaa aaattttcta 300
 tattgggttg tttcaataac cgtgtgtgga atatttagat gtttagcat gctccgtgaa 360
 caattgatcc tctcaaacc ctctcccctt aattttcca actcccggtt 410

<210> 2918
 <211> 333
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2918

acgtcgnatn nnnngcgnagg ananngtcgc angcacgcgt acgtaagctc ggaattcggc 60
 tcgagnnagg aggggtacgcc gtgagttcaa ggctaacaag atctccgagg aagagtatgt 120
 taagtcaatt aaggaggaaa ttcgcaaagt tgttgaactt caagaagagc ttgatattga 180
 tgttcttgtt catggaganc cngggngaant tgatatgggt gagtacttcg gtgagcaatt 240
 gtcaggcttg ccttcactgt taatgggtgg gtgcaatcca anggtcccgt tgtgtnaagc 300
 caccaatcca ctatggtgat gtgagccgcc caa 333

<210> 2919
 <211> 313
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2919

cgtcgcgngc acgcgtacgt aagctcggga ntctggctcg agcaagcncc caatgaaggg 60
 antgcttacc ggtcctgtta ccattctcaa ctggctccttt gttagaaatg accaacctag 120
 atctgagacc acctaccaga ttgctttgtc tatcaaggac gaagtggaag accttgaaaa 180
 ggctggcatc actgttatcc agnttggtga agctgctttg agagaggggtc ttccactgag 240
 gaaatcagan caagctcact attggatggg tgtccatgcc ttcagaatca ccangttggt 300
 gtccaggata cca 313

<210> 2920
 <211> 259
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2920

ggatgacgag atcaagtcatt ggctagcatt tgctgcacaa aaaattgttg aagttaacgc 60

attggctaag gcattgtctg gcaacaagga tgtggccttc ttctctgcta atgctgcagc 120
tcaggcttca aggaagtcct ctccaagagt gaccaacgag gctgttcaga aggctgctgc 180
tgcattnaag gggtcagntc ancgncgtnc aacanntcnc agccnnantg ganantcncn 240
aaaaaaggct cccccnncc 259

<210> 2921
<211> 286
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2921

tcgctgcacg cgtacgttag ctcggaattc ggctcgaggg ataccgttcc ggtcctcgtt 60
ggccctgtta catacctgtt gctctccaag cctgccaagg gagttgagaa atccttttct 120
ctcctctctc tccttcccaa gggtcttgct gtctacaagg aagttattgc tgaccttaag 180
gcagctgggtg cttcatggat tcagtttgat gagcctaccc ttgtcttgga ccttgagtct 240
cacaagttgc aagcattcac tgacgcatat gcagaacttg cgctg 286

<210> 2922
<211> 242
<212> DNA
<213> Glycine max
<400> 2922

gtgcaatcct atggttcccg ttgcgtgaag ccaccgatca tctatggtga tgtgagccgc 60
ccaaagccaa tgaccgtctt ctggatcatc ctggctcaga gctttaccaa gcccacatga 120
agggaatgct taccggctct gttaccattc tcaactggtc ctttgtaga aatgaccaac 180
ctagatctga gaccacctac cagattgctt tgtctatcaa ggacgaatgg aagaccttga 240
aa 242

<210> 2923
<211> 270
<212> DNA
<213> Glycine max
<400> 2923

gcgtacgtaa gctcgaatt cggctcgagt cagatcatcg ccgtgcaaca aatgtcagtg 60

ccagactgga ttctcaacaa aagaagctca accttccaat cctgccaacc accactattg 120
gatccttccc tcagactgta gaactgagga gggtagccg tgaattcaag gctaacaaga 180
tctccgagga agagtatgta agtcaattaa ggaggaaatt cgcaaagttg ttgagcttca 240
agaagagctt gatattgatg ttcttgttca 270

<210> 2924
<211> 292
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2924

agtcnnangc acgcntacgt aagctcggaa ttcggctcga gggtaggattt cccagtggaa 60
aatacctctt tgctggagtg gttnatggaa ggaacatctn gngccaatga ccttgctgct 120
tctctcacta cattgcaggg tcttgagggc attgtnggca aagataagct tgttgtgtcc 180
acctcctcct cccttcttca cactgctgtt gatcttgta acgagaccaa gttggatgac 240
gagatcaagt catggctagc atttgctgca caaaaaattg tgaagttaac gc 292

<210> 2925
<211> 312
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2925

aanatttnnc gtcgcatgca tgcgtacgta agctcggaat tcggctcgag gagaaatgat 60
atggttctcc atgaacaaga acatcaatat caagctcttc ttgaagttct tgttcatgga 120
gaaccagaga gacnatgata tggttgagta cttcggtgag caattgtcag gctttgcctt 180
cactgttaat gggtaggtnc natectatgg ttcccgttgt gtgaagccac caatcatcta 240
tggatgatgtg agccgccccaa agccaatgac tgtcttctgg tcatctctgg ctcagagctt 300
taccaagcgc cc 312

<210> 2926
<211> 287
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2926

tgcgcangcac gcgtacgtna gctcgggaatt cggctcgagc aagtgggttcg acaccaacta 60
ccactggnat tgtccctgaa ttggggccctg atgtgaactt cacctatgct tctcacaagg 120
ctgttgatga atacaaggag gccaaaggcgc ttggagtgga taccattccc gtactcgttg 180
gccctgttac atacttggtg ctctccaagc ctgccaaagg agtcgagaaa tccttttctc 240
tcctctctct ccttcccaag gttcttgctg tctacaagga agttatt 287

<210> 2927
<211> 258
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2927

aagccaccga tcatctatgg tgatgtgagc cgcccaaagc caatgaccgt cttctgggtca 60
tctctggctc agagctttac caagcgccca atgaaggga tgcttaccgg tcctgttacc 120
attctcaact ggtctttgtt agaaaatgac caacctagat ctgagacaac taccagattg 180
ctttgtctat ccaaggacga ntnggaagac cttgaaaagg ctggcatcac tggtatccaa 240
attgatgaag ctgctttg 258

<210> 2928
<211> 335
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2928

gtcgcangca gcgtacgtn agctcgggaa ttcggctcga gctggaattg gccctgggtg 60
ctatgacatc cactcccca gaataccacc aactgaagaa atcgctgaca gaatcaataa 120
gatgcttgca gtgctcgaga agaacatctt gtgggtcaac cctgactgtg gtctcaagac 180
ccgcaagtac actgaagtga agccagccct cacaacatg gttgccgcag caaaactcat 240
ccgtaacgaa cttgccaagt gaatggtata agaaagtaga atctacaagt tcattggttc 300
tgcttttata atacacaaa gaaaaatttt ctata 335

<210> 2929
 <211> 279
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2929

annntangta cgcgtacgta agctcggaat tcggctcgag caccaactac cactttattg 60
 tccctgaatt gggccctgat gtgaacttca cctatggttc tcacnaggct gttgatgaat 120
 acaaggnggc caaggcgctt ggagtggata ccattcccgt actcgttggc cctgttacat 180
 acttgttgct ctccaagcct gccaagggag tcgagaaatc cttttctctc ctctctctcc 240
 ttcccaaggt tcttgctgtc tacaaggaag ttattgctg 279

<210> 2930
 <211> 282
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2930

gtcgcangca cgcgtacgtn agctcggaat tcggctcgag nctcgcctcc gatgagaagc 60
 tctgtcagc cttccgtgaa ggtgtgaagt atgggtgctgg aattggccct ggtgtctatg 120
 acatccactc cccaagaata ccaccaactg aagaaatcgc tgacagaatc aatacgatgc 180
 ttgcagtgct cgagaagaac atcttgtggg tcaaccctga ctgtggtctc aagaccgcga 240
 agtacactga atgaagccag ccctcacaaa catgggtgccc gg 282

<210> 2931
 <211> 261
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2931

ccttccaatc cttccaacca ccactattgg ntccttcct cagactgtag aactgaggag 60
 ggtacgccgt gagttcaagg ctaacaagat ctccgaggaa gagtatgtta agtccaatta 120
 aggaggaaat tcgcaaagtt gttgaacttc aagaagagct tgatattgat gttcttgttc 180
 atggagaacc agagagaaat gatatggttg agtacttcgg tgagcattgt caggctttgc 240

ctcactgtta atgggtgggt g

261

<210> 2932
<211> 298
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2932

ctcccnacg tngcatgcac gcgtacgtna gctcgngaatt tcggctcgag gaaatccttt 60
tctctctct ctctccttcc caaggttctt gctgtctaca aggaagtatt tgctgacctt 120
aaggcagctg gtgcttcatg gattcaattt gatgagccta cccttgtctt ggaccttgaa 180
tctcacaagt tgcaagcttt cactgacgca tatgcagaac ttgcacctgc tttgtctgat 240
ctgaatgttc ttgttgagac ctactttgct gacatccctg ctgaggcgta caagaccc 298

<210> 2933
<211> 298
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2933

tcgcangcac gcgtacgtna gctcggaatt cggctcgagc ttgttgctct ccaagcctgc 60
caagggagtc gagaaatcct tttctctcct ctctctcctt cccaaggttc ttgctgtcta 120
caaggaagtt attgctgacc ttaaggcagc tgggtgcttca tggattcaat ttgatgagcc 180
tacccttgtc ttggaccttg aatctcacia gttgcaagct ttcactgacg catatgcaga 240
acttgacact gctttgtctg atctgaatgt tcttggtgag actactttgc tgacatcc 298

<210> 2934
<211> 269
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2934

agtcgcangc acgcgtacgt aagctcggaa ttcggctcga gcaaggcgct tggagtggat 60
accattcccg tactcgttgg ccctgttaca tacttggtgc tctccaagcc tgccaaggga 120

gtcgagaaat ccttttctct cctctctctc cttcccaagg ttcttgctgt ctacaaggaa 180
 gttattgctg accttaaggc agctgggtgct tcatggattc aatttgatga gcctaccctt 240
 gtcttggacc ttgaatctca caagttgcn 269

<210> 2935
 <211> 261
 <212> DNA
 <213> Glycine max

<400> 2935

tgctggaatt ggccctgggtg tctatgacat ccactcccca agaataccac caactgaaga 60
 aattgctgac agaatcaaca agatgctggc agtgctcgag aagaacatct tgtgggtgaa 120
 ccctgactgt gggctcaaga cccgtaagta cactgagggtg aagccagccc tcacaaacat 180
 ggttgccgca gcaaaactca tccgcaacga acttgccaag tgaatggtat aagaaagtag 240
 aatcttccaa gtcatttggt t 261

<210> 2936
 <211> 262
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2936

cgtncgtnag ctcggaattc ggctcgagct tctggctcgc tctggctcag agctttacca 60
 agcgcccaat gaagggaatg cttaccgggc ctgttaccat tcncaactgg tcctttgtta 120
 gaaatgacca acctagatct gagaccacct accagattgc tttgtctatc aaggacgaag 180
 tggaagacct tgaaaaggct ggcactcactg ttatccaaat tgatgaagct gctttgagag 240
 aggtctcca ctgaggaaat ca 262

<210> 2937
 <211> 280
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2937

acgcgtacgt aagctcgga ttcggctcga ggtgaagtat ggtgctggaa ttggccctgg 60

tgtctatgac atccactccc caagaatacc accaactgaa gaaattgctg acagaatcaa 120
caagatgctg gcagtgctcg agaagaacat cttgtgggtg aaccctgact gtgggctcaa 180
gacccgtaag tacactgagg tgaagccagc cctcaciaaac atgggtgccg cagcaaaact 240
ncatccgcaa cgaattgcca atgatgggtat aagaaataga 280

<210> 2938
<211> 244
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2938

angnnccctca catctctgaa nggcgtcact gcatatgggn ttgatttgnt ccgtggancc 60
catactcttg atttnatcaa ggggtggattt cccagtggaa aatacctctt tgctggagtg 120
gttgatggaa ggaacatctg ggccaatgac cttgctgctt ctctcactac attgcagggt 180
cttgagggat tgtgggcaaa gataagcttg ttgtgtccac ctctcctcc cttcttcaca 240
ctgc 244

<210> 2939
<211> 289
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2939

tctatgcacg cgtacgtnag ctcggaattc ggctcgagca atgactgtct tctggtcac 60
tctggctcag agctttacca agcgcccaat gaagggaatg cttaccggtc ctgttaccat 120
tctcaactgg tcctttgtta gaaatgacca acctagatct gagaccacct accagattgc 180
tttggtatc aaggacgaag tggaggacct gaaaaggctg gcatcactgt tatccaaatt 240
gatgaagctg cttgagagag ggtctgccat gaggaaatca gaacaagct 289

<210> 2940
<211> 301
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2940

ncgtcgcang cacgcgtacg tnagctcgga attcggctcg agggttcccg ttgcgtgaag 60
ccaccgatca tctatgggtga tgtgagccgc ncaaagccaa tgaccgtctt ctggctcgtct 120
ctggctcaga gctttaccaa gcgcccgaatg aagggaatgc ttaccgggtcc tgttancatt 180
ctcaactggg cctttgttag aaatgaccaa cctagatctn cagaccacct accagattgc 240
tttgtctatc aaggacngt ggaagacctt gaaaaggctg gcatcactgt tatccaaatt 300
g 301

<210> 2941
<211> 295
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2941

tcgcatgcac gcgtacgtaa gctcgggaatt cggctcgagc cagattgctt tggctatcaa 60
ggacgaagtg gaggaccttg aaaaggctgg catcactgtt atccaaattg atgaagctgc 120
tttgagagag ggtctgccac tgaggaaatc agaacaagct cactacttgg actgggctgt 180
ccatgccttc agaatcacca atgttgggtg gcaggatacc actcagatcc acaccacat 240
gtgtactcca antcaacgac atcatnccat ccatcanggg atngggcggc gattt 295

<210> 2942
<211> 295
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2942

cgtcgcangc acgcgtacgt nagctcgga ttcggctcga gngcgtacaa gancctcaca 60
tctctgaatn gcgtcantgc atatgggttt gatttagtcc gtggaacca tactcttgat 120
ttgatcaagg gtggatttcc cagtggaaaa tacctctttg ctggantggg tnatggangg 180
nncatctggg ccaatgacct tgcngentct ctcacnacat tncagggtct tgagggcatt 240
gtgggcnaag atannctngt tgtgtccacc tcctcncccc ttontcacac tgctg 295

<210> 2943
<211> 269

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2943

gtcgcangca cgcgtacgta agctcggaat tcggctcgag ttattgctga ccttaaggca 60
 gctggtgctt catggattca atttgatgag cctacccttg tcttggacct tgaatctcac 120
 aagttgcaag ctttactga cgcatatgca gaacttgacac ctgctttgtc tgatctgaat 180
 gttcttgttg agacctactt tgctgacatc cctgctgagg cgtacaagac cctcacatct 240
 ctgaatggcg tcactgcata tgggtttga 269

<210> 2944
 <211> 312
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2944

tcgcangcac gcgtacgtaa gctcggaatt cggctcgagc tgggtgtctat gacatccact 60
 cccaagaat accaccaact gaagaaattg ctgacagaat caacaagatg ctggcagtgc 120
 tcgagaagaa catcttgtgg gtgaaccctg actgtgggct caagaccctg aagtacactg 180
 aggtgaagcc agccctcaca aacatgggtg ccgcagcaaa actcatccgc aacgaacttg 240
 ccaagtgaat ggtataagaa agtagaatct tccaagtcac ttggttctgc tttatattat 300
 aatacaccaa ag 312

<210> 2945
 <211> 320
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2945

gangcacgcg tacgttagct cggaattcgg ctcgagccca gcggaaaata cctctttgct 60
 gncagtgggt gatggaagga acatctgggg caatggacct ttgtggnttc tctcactac 120
 cttggcaggg tcttganggg cattgtgggc aaagataagc ttgttgtgtc cacctcctcc 180
 tcccttcttc aactgctgt tgaccagtt aacgagacca agttggatga tgagatcaag 240

tcatggctag cttttgctgc ccaaaaaaat tgttgaagtt aacgcattgg ctaaagcatt 300
gtctggccac aaggatgagg 320

<210> 2946
<211> 299
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2946

nnangcatgc acgcgtacgt aagctnggaa ttcggctcga gctgaatgnn gtcactgnca 60
tatgggnttg atttgggtccg tggaacccat actgcttgat ttgatcaagg gtggatttcc 120
cagtggaaaa tacctctttg ctggagtggg tgatggaagg aacatctggg ccaatgacct 180
tgctgcttct ctactacat tgcaggggtct tgagggcatt gtgggcaaag ataagcttgt 240
tgtgtccacc tcctcctccc ttcttcacac tgctgttgat ccttgtaac gagaccaag 299

<210> 2947
<211> 269
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2947

aataatatgc acgcgtacgt aagntcggaa ttcggctcga gacaagttgc aagcattcac 60
tgacgcntat gcagaacttg cgcctgcttg ggggtggtttn aatgtncctg ttgagaccga 120
ctttntgac atccctgctg aggcatacaa gaccctcaca tctctgaatg gcgtcactgc 180
atatggattt gatttgggtcc gtggaaccaa cactcttgat ttgatcaagg gtggatttcc 240
cancggaaaa tacctctttg ctggagtgg 269

<210> 2948
<211> 294
<212> DNA
<213> Glycine max

<400> 2948

tcgcatgcac gcgtacgtaa gctcgggaat tcggctcgag attggatcct tccctcagac 60
tgtagaactg aggaggggtac gccgtgagtt caaggctaac aagatctccg aggaagagta 120

tgtaaagtca attaaggagg aaattcgcaa agttgttgaa cttcaagaag agctgatatt 180
gatgttctgt tcatggagaa ccagagagaa atgatatggt tgagtacttc ggtgagcaat 240
tgtcaggctt tgcttcactg ttaatgggtg ggtgcatcct atggttcccg ttgt 294

<210> 2949
<211> 280
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2949

nacntngcat gcacgcgtac gtaagctcgg aattcggctc gaggttacca ttctcaactg 60
gtcctttgtt agaaatgacc aacctagatc tgagaccacc taccagattg ctttgtctnc 120
caaggacgaa gtggaagacc ttgaaaagnc tggcatcact gttatccaaa ttnatgaagc 180
tgctttgann gagggctctc cactnnggaa atcagagcan ntcactactt ggancgggct 240
gtccatntnt tcagaatcac nnntgttggt gtccnngata 280

<210> 2950
<211> 274
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2950

atgcncgcgt acgttagctc ggaattcggc tcgagcattc ccgtactcgt tggccctgtt 60
acatacttgt tgctctccaa gcctgccaaag ggagtcgaga aatccttttc tctcctctct 120
ctccttccca aggttcttgc tgtctacaag gaagttattg ctgaccttaa ggcagctggt 180
gcttcatgga ttcaatttga tgagcctacc cttgtcttgg acttgaatct cacaagttgc 240
aagctttcat gacgcatatg cagaattgca ctgt 274

<210> 2951
<211> 270
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2951

ncgtcgcgtg cacgcgtacg taagctcggg attcggctcg agcttgtctt ggaccttgaa 60

tctcacaagt tgcaagcttt cactgangca tatgcagaac ttgcacctgc tttgtctgat 120
 ctgaatgttc ttgttgagac ctactttgct gacatccctg ctgaggcgta caagaccctc 180
 acatctctga atggcgctcac tgcataatggg tttgatttgg tccgtggaac ccatactctt 240
 gatttgatca aggggtggatt tcccagtgga 270

<210> 2952
 <211> 549
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2952

gtggggggcgn gnnntttccc ctanggggaat aagtagnact ttattttnaac cnttnngaac 60
 tcncgggtcg acccacgcgt ccggcagatc tgagaccacc taccagattg ctttgtctat 120
 caaggacgaa gtggaagacc tggaaanggc tggcatcact gttatccana ttgatgaagc 180
 tgctttgaga gagggctctc cactgaggaa atcagagcaa gctcactact tggactgggc 240
 tgtccatgcc ttcagaatca ccaatgttg tgtccaggat accacccagg tacactcttt 300
 tggatcatcg canatcactg aattanaaat tttttttggt natcctnatt ttcacatatg 360
 tttggnataa ncaantttnc gtatngacag atccannact canatgtgnc tactcggact 420
 tcaancgact ntnntccaat tncattannt nancntggan tgcntgangt ntatgnnenn 480
 nttnnnannt ttntgtngna tganaagtag gttntntttn atngntatag tnnnanggtt 540
 ttnttgtn 549

<210> 2953
 <211> 317
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2953

nntcgcatgc atgcgtacgt nagctcgga ttcggctcga gctcgagccg attcggctcg 60
 agttccaatc ctgctcaacc accacnnttg gatccttccc tacagactgt agaactgagg 120
 anggtacgcc gtgaattcna ggctaacaag atctccgagg aagagtatgt naagtcaatt 180
 aaggaggaaa ttcgcaaagt tgttgagctt caagaagagc ttgatattga tgttcttgtt 240

catggagaac cagagagaaa tgatatggtt gagtnttcgg tgaacaattg tcaggcttgc 300
 ttcaccgtta atgggtg 317

<210> 2954
 <211> 321
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2954

anatcgcan gacgntacg taagctcgga attcggctcg agttgngcnc tgntgtggac 60
 ttcacctatg ctttctcana aggctgtnga tgaatacnag gngggccaag ggcgcttnga 120
 gtggatacng ttccggnct cgttggcnct gttacatagc tgttgctctc caagcctgcc 180
 aaggaggttg ngaaatcctn ttctctctc tctctcctc ncaaggttct tgctgtctac 240
 aaggaagtta ttgntgacct taaggcagct ggtgcttcat ggattcagtt tgatgagcct 300
 acccttggtc ttggacctg n 321

<210> 2955
 <211> 318
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2955

gtcgngcan gngtacgtnn agctcggaat tcggctcgag gtgagggtac gccgtgaatt 60
 caaggctaac aagatctccg aggaagagta tgtaaagtca attaaggag gaaattcgca 120
 aagttgttga gcttcaagaa gagcttgata ttgatgttct gttcatggag aaccagagag 180
 aaatgatatg gttgagtact cgggtgaacaa ttgtcaggct tgcctcaccg ttaatgggtg 240
 ggtgcaatcc tatggttccc gttgcgtgaa gccaccgatc atctatggtg atgtgagccc 300
 cccaaagcca tgaccgtc 318

<210> 2956
 <211> 260
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 2956

ncgcatgcac gcgtacgtna gctcgggaatt cggctcgagg gaggccaaagg cgcttgaggt 60
ggataccggt cgggtcctcg ttggccctgt tacatacctg ttgctctcca agcctgccaa 120
gggagttgag aaatcctttt ctctcctctc tctccttccc aaggtcttgc tgtctacaag 180
gaagttattg ctgaccttaa ggcagctggt gcttccatgg attcagttgg nggagctaac 240
cctggtctgg gacctgnngt 260

<210> 2957

<211> 247

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2957

cgctcgcangc acgcgtacgt aagctcggaa ttcggctcga gctgccactg aggaaatcag 60
aacaagctca ctacntgga ctgggctgtc catgccttca gaatcnnena tnttgngng 120
cangatacna ctcagatcca caccacatg tgctactcca acttcaacga catcatccac 180
tccatcatcg acatggacgc tgatgttatc accattgaga actctcgtc cgntgagaa 240
gctcctg 247

<210> 2958

<211> 187

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2958

gggaatgctt ancggctcntg ttancantct caannggtcc tttgttagaa atgaccaacc 60
tagatctgag accanctacc agattgcttt gtctatcaag gacgangtgg aagacntga 120
aaaggctggc atcantgtna tccaaattga tgaagctgct tggagagagg gtnccccagt 180
gangaat 187

<210> 2959

<211> 250

<212> DNA

<213> Glycine max

<223> unsure at all n locations
 <400> 2959

```
aataccacca actgaagaaa ttgctgacag aatcaacaag atgctggcag tgctcgagaa   60
gaacatcttg tgggtgaacc ctgactgtgg gctcaagacc cgtaagtaca ctgaggtgaa  120
gccagccctc acaaacatgg ttgccgcagc aaaactcatc cgcaacgaac ttgccaagtg  180
aatgggtata ggaagtngan tttccaagtn atgggggtccg ntttaattta aaaccccccc  240
aaaaaaattt                                     250
```

<210> 2960
 <211> 293
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2960

```
gtcgcangca cgcgtacgta agctcggaat tcggctcgan ctcgagccga atcgggtcga   60
gataccacca actgaagaaa ttgccgacag aatcaacaag angctggcag tgctcgagaa  120
gaacatcttg tgggtgaacc ctgactgtgg gctcaagacc cgtaagtaca ctgaggtgaa  180
gccagccctc acaaacatgg ttgccgcagc aaaactcatc cgcaacgaac ttgccaagtg  240
aatggtataa gaaagtagaa tcttccaagt catttggttc tgctttatat tat          293
```

<210> 2961
 <211> 261
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2961

```
cnagnattca ctgacgcata tgnagaactt gcgccacgct ttgtctggtt tgacatgttc   60
ttnttgagac ctactttggc tgacatccct gctgaggcat acaagaccct cacatctctg  120
aatggcgtca ctgcatatgg atttgatttg gtccgtggaa ccaanactct tgatttgatc  180
aagggtggat ttcccanggg aaaatacttt tttgggggan tgntgatgga aggancattg  240
ggccaatgac tttgctgttt t                                     261
```

<210> 2962
 <211> 277

<212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 2962

 ngtcgcatgc acgcgtacgt aagctcggaa ttcggntcga gggagtggat accgttccgg 60
 tcctcgntgg ccctntnaca tacctgttgc tntccaagc ctgccaaggg agttgagaaa 120
 tcctttctct cctctntntn cttcgnaagg ntnttgcngt ctanaaggaa gtnattgntg 180
 accttaaggc agctggtgct tcatggattc agtttgatga gcctaccctt gtcttgacc 240
 ttgngtetca caagttgcaa gcattcagtg ccgcana 277

 <210> 2963
 <211> 293
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 2963

 agactgtaga actgaggagg gtacgccgtg agttcaaggc taacaagatc ctccgaggaa 60
 gagtatgtta agtccaatta aggaggaaat tcgcaaagtt gttgaacttc aagaagagct 120
 tgatattgat gttcttgttc atggagaacc agagagaaat gatatggttg agtacttcgg 180
 tgagcaattn tnaggctttg cttcactgt taatggntgg gtgcantcca tggttcccg 240
 tgtgtgaagc aacaatnnac caaggnnatt aaccgcacca aagccattga ctt 293

 <210> 2964
 <211> 227
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 2964

 accaactgaa gaaattgctg acagaatcaa caagatgctg gcagtgctcg agaagaacat 60
 cttgtgngtg aacctgact gtgggctcaa gaccgtaag tacactgagg tnaagccagc 120
 cctcaciaac atggttgccg cagcaaaact catccgcaac gaacttgcca agtgaatggt 180
 ataagaaagt agaatcnnac caagtcattt ggttctgctt tatatta 227

 <210> 2965

<211> 290
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2965

ntcgcangca cgcgtacgta agctcggaat tcggctcgag gtgaccaacg aggctgttca 60
 gaaggntgct gctgcattga agggtncaga tcatcgccgt gcaacaaatg tcagtgccag 120
 actggattct caacaaaaga agctcaacct tccaatcctg nccaaccacc actatnggat 180
 ccttcctca gactgtagaa ctgaggaggg naggcnngaa ttcaaggcta acaagatctc 240
 cgaggaagag tatgtaaagt caattaagga ggaaattcgc aaagttgttg 290

<210> 2966
 <211> 256
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2966

aagacctcac atctctgant gtncgtcant gcatatgggt ttgatttggt ccgtggaagc 60
 atactcttga tttgatcaag ggnggatttc ccagtggaga atacctcttt gctggagtgg 120
 ttgatggaan gaacatcngg gccaatgacc ttgctgcttc tcnactaca tgcagggtct 180
 tgagggcatt gtgggcaaag ataagcttgt tgtgnccacc tennccctccc ttctcacact 240
 gctgtngatc ntgtna 256

<210> 2967
 <211> 330
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2967

gtcgcacgca cgcgtacgta agctcggaat tcggctcgan nctcgaaccg ctcgagcggc 60
 tcgancgggc tcgagatcca ctccccactg aataccacca actnctagan attncctgac 120
 agaatcaaca agatgcacgc agtgctcgag aagaacatct tgtgggtgaa ccctgactgt 180
 gggctcaaga cccgtaagta cactgaggtg aagccagccc tcacaaacat gggtgccgca 240
 gcaaaactca tccgcaacga acttgccaag tgaatggtat aagaaagtag aatcttccaa 300

gtcatttggt tctgtttata ttataataca

330

<210> 2968

<211> 306

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2968

tcgcangcac gcgtacgtaa gctcgggttc gacaccanct acnacatnaa ttgtccctga 60
attgggccct gatgtgaact tcacctatgn cnctcacaag gctgttgatg aatacaagga 120
ggccaaggcg cttggagtgg ataccgttcc ggtcctcgtt ggccctgtta catacctgtt 180
gctctccaag cctgccaagg gagtnagaaa gccntttcgc tcnctctctt ccggcccaag 240
gacttgctgt cnacaaggaa gnnattgcng accngaangc agcnggngca tcanggatca 300
gttnga 306

<210> 2969

<211> 215

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2969

tnagctcgga attcggctcg agcanggcgt tggagtggat accgttccgg tcctcgttgg 60
ccctgttaca tacctgttgc tcctccaaag cctgccaagg gagttgagaa atccttttct 120
ctcctctctc tccttcccaa ggttcttgcgt gtctacaagg aagttattgc tgaccttaag 180
gcagctggtg cttcatggat tcagtttgat gagcc 215

<210> 2970

<211> 172

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2970

ngtcgcatgc acgcgtacgt aagctcggaa ttcggctcga gcgcatatgc agaacttgcg 60
cctgctttgt ctggtttgaa tgttcttgtt gagacctact ttgctgacat ccctgctgag 120

gcatacaaga ccctcacatc tctgaatggc gtcactgcat atggatttga tt 172

<210> 2971
 <211> 170
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2971

gtcgcangca cgcgtacgta agctcggaat tcggctcgag ngcttctcac aaggctgttg 60
 atgaatacaa ggaggccaag gcgcttgag tggataccgt tccggtcctc gttggccctg 120
 ttacatacct gttgctctcc aagcctgcca agggagttga gaaatccttt 170

<210> 2972
 <211> 321
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2972

gtcgcangcn cgcgtacgtn agctcgtaa ttcggctcga gnacttgtn gctctccaag 60
 cctgnccaag ggagtcgaga aatccctttt ctctcctctc tctccttccc aaggttcttg 120
 ctgtctacaa ggaagttatt gctgacctta aggcagntgg tgcttcatgg attcaatttg 180
 atgagcctac cctgtctgga ccttgaatct cacaagttgc aagctttcac tgacgcatat 240
 gcagaacttg gcacctgctt tgtctgatct gaatgttctt gtngagacct atcntgctga 300
 catccctggt gngngtana a 321

<210> 2973
 <211> 236
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2973

tacaaggagg ccaaggcgct tggacgtgga taccgttccg gtcctgcggt ggccctgtta 60
 aatacctggt gctctccang cctgncaang gagttgagaa atccttnnct ctctctctc 120
 tccttcccaa ggttcttgct gtctacaagg aagttattgc tgaccttaag gcagtgggtgc 180
 ttcatggatt cannttnatg agtctacnct gtnttggact tgagtctcac aagttg 236

<210> 2974
 <211> 231
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2974

actcnanncn cncntncgtn agcncggmnt tcggctcnag nttggntcnt tcnctcagac 60
 tgtanaacng ngnagggtac gccgtnaatt caaggctaac aanatctgcn gnggangagt 120
 atntaaagtc aattanggag gaaattcgca aagttgttga gcttcaagaa gagcttgata 180
 ttgatgttct tgttcatgga gaaccagcga nanatgntat ggttnagtcc c 231

<210> 2975
 <211> 313
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2975

tnntngcacg cgtacgtaag ctcggaattc ggctcgagat gttgtaatat ttattctgct 60
 gttactcatg gcttcttttc tttcctctca ggctgctgca ttgaagggtt cagatcatcg 120
 ccgtgcaaca aatgtcagtg ccagactgga ttctcaacaa aagaagctca accttccaat 180
 cctgnccaac caccactatt ggatccttcc ctccagactgt agaactgagg agggtagccc 240
 ggaattcaag gctaacaaga tctccgagga agagtatgta aagtcaatta aggaggnnat 300
 tcgcaaagtt gtt 313

<210> 2976
 <211> 184
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2976

atncagcgta cgtaagtcgg aattcggctc gagcagagtt taccaagcgc ccaatgaagg 60
 gaatgcttac cggctctggt ancattcttc aactggctct ttgttagaaa tgaccaacct 120
 agatctgaga nccantacca gattgctttn ggctatcaaa gacgaantng agggnncttg 180

aaaa

184

<210> 2977
<211> 314
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2977

nngtngcang cacgcgtacg taagctcgga attcggtcg aggggtgaacc ctgactgtgg 60
gctcaagacc cgtaagtaca ctgagggtgaa gccagccctc acaaacatgg ttgccgcagc 120
aaaactcatc cgcaacgaac ttgccaaagt aatgggtataa ganagtagaa tcttccaagt 180
catttggttc tgctttatat tataatacac caaagaaaaa ttttctctat attgggttgt 240
ttcaataact gtgtgtggaa tatttaggtg tcttagcatg ctctgtgagc aattgattct 300
tcctcaaccc ctcc 314

<210> 2978
<211> 153
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2978

ncgcatgcac gcgtacgtaa gctcggaatt cggctcgagg tgaccaacga ggctgttcag 60
aaggctgctg ctgcattgaa ggggttcagat catcgccgtg caacaaatgt cagtgccaga 120
ctggatttct caacaaaaga agctcaacct tcc 153

<210> 2979
<211> 280
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2979

gtcgtgcnc gcgtaagtcg gctcngntt cggntcngg ttattgctga ccttnaggca 60
gctggtgctt catggattca gtttgangag cctnnncttn tnttggaacc ngngnanaa 120
ngnnnganga nnnccgngag gaanatggga attntgcgcg tacttngnnn ngntgaang 180
annntnatna naccctctnt nntggaatac cnnatngngn aaccngaac cctnncatct 240

ctggaatggc gnnatgcbga tggattgatn agtcngtgga 280

<210> 2980
 <211> 102
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2980

ccccagtgga anaatacctc nttgctggag tggttgatgg aaggaacatc tgggccaatg 60
 accttgctgc ttctctccac tacattgcag ggtcttgagg gc 102

<210> 2981
 <211> 288
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2981

gtcgaagtgc acgcgtacgt aagctcggaa ttcggctcga gccacagtca gggttcaaga 60
 cccgtaagta cactgaggtg aagccagccc tcacaaacat ggttgccgca gcaaaactca 120
 tccgcaacga acttgccaag tgaatggat aagaaagtag aatcttccaa gtcatttggt 180
 tctgctttat attataatac accaaagaaa aattttcccc atattgggtg nttcnataac 240
 tgnngtgga atatttangt gncttagcat gctctgtgag caattgat 288

<210> 2982
 <211> 260
 <212> DNA
 <213> Glycine max

<400> 2982

agctcgaat tcggctcgag cgtaagtaca ctgaggtgaa gccagccctc acaaacatgg 60
 ttgccgcagc aaaactcatc cgcaacgaac ttgccaagtg aatgggtataa gaaagtagaa 120
 tcttccaagt catttggttc tgctttatat tataatacac aaagaaaaat tttctctata 180
 ttgggttggt tcaataactg tgtgtggaat atttaggtgt cttagcatgc tctgtgagca 240
 attgattctt cctcaacccc 260

<210> 2983
 <211> 323
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2983

gtcgnngcac gcgtacgtaa gctcgggaatt cngctcgagc tctgcactct ctcctttctca 60
 tcctctttctc ttcgctttctc tgttcgtgcc acttctttctc cgagcaatgg gcatctcata 120
 ttgttggtta tccacgcatg ggacccaaga gagaacttaa gtttgctttg gaatcttttt 180
 gggatggaaa gagtagtgct gatgatctgc agaagggtgc tgctgacctt aggncagcca 240
 tctggaagca gatggctgat gctggaataa agtatattcc tagcaacact ttctcatact 300
 atgatcaagt actggacaca acn 323

<210> 2984
 <211> 335
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2984

ngtcgcangc acgcntacgt nagctcggaa ttcggctcgn nctcgtctctg cactctctct 60
 ttctcactct attctcttcg cttctctgtt cgtgccactt cttctnecag caatggcatc 120
 tcatattgtt ggttatccac gcatgggacc caagagagaa cttaagtttg ctttggaatc 180
 tttttgggat ggaaagagta gtgctgagga gctgcagaag gttgctgcag accttaggtc 240
 agccatctgg aagcagatgg ctgatgctgg aataaagnat attcctagca acaccttctc 300
 actttacgat caagtatgga cacaacagcc atgct 335

<210> 2985
 <211> 297
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2985

ngtngcatgc acgcgtacgt aagctcggaa ttcggctcga ggtttacgat ctactctgct 60
 actctctcct tctcactctc ttctcttcgc ttctctgttc gtgccacttc ttctcgagca 120

atggcatctc atattgttgg ttatccacgc atgggaccca anagagaact taagtttgc 180
 ttggaatctt tttgggatgg aaagagtagt gctgatgatc tgcagaaggt tgctgctgac 240
 cttagggtcag ccattctggaa gcagatggct gatgctggaa taaagtatat tcctagc 297

<210> 2986
 <211> 327
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2986

nnttancaag cgtangtaag ctcggaattc ngctcgagct cactctgcac tctctcctct 60
 ctcctcctcg tgtctncgc ncnntcggnc ngenattccg tcccagacna tggcatctca 120
 tattgtnggt tatccacgca tggccnccca ngagaganct taagtngct ttggaatctt 180
 tttgggatgg aaagagtagt gctgatgatc tgcngaaggt tgctgctgac cttagggtcag 240
 ccattctggaa gcagatggct gatgctggaa taaagtatat tcctagcaac actttctcat 300
 actatgatca agtactggac acaacag 327

<210> 2987
 <211> 315
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2987

cnatcgchang cangcgtacg taagctcgga attcggctcg aggtgaagtg antagtataa 60
 atntacaaan tcnctnca ntcattgtgtg ggcgcgttna cattctcgnt ctgcactctc 120
 tctttctcat cctnntctct tcgntctct gtncgtgcc cntcttctcg agcaatggca 180
 tctcatattg ttggttatcn acgcatggna cccaagagag aacgtaagtt ngcttnggan 240
 tctntttggg atggaaagag nagtgctgag gagctgcaga aggttgctgc agaccttagg 300
 tgagccatct tgaan 315

<210> 2988
 <211> 306
 <212> DNA
 <213> Glycine max

<400> 2988

```
agtcgcatgc acgcgtacgt aagctcggaa ttcggctcga ggattattaa tcgtatcagt 60
gaaagaagta agaagagaga gaagtgaagt tagtagtata aatgtacaaa ctctcctcta 120
ttcagtgtgt ggcgccggtt acgatctcac tctgcaactct ctcttctca tctcttctc 180
ttcgcttctc tgttcgtgcc acttcttctc gagcaatggc atctcatatt gttggttatc 240
cacgcatggg acccaagaga gaacttaagt ttgctttgga atctttttgg gatggaaaga 300
gtagtg                                           306
```

<210> 2989

<211> 264

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2989

```
gtcgcangca cgctacgtn agctcggaat tcggctcgag ctctgcactc tctctttcnc 60
atcctattct ctctgcttct ctgtncctgt ccacttcttc tcgagcaatg gcatctcata 120
ttgttggtta tccacgcatg ggacccaana gagaacttaa gtttgctttg gaatctttgg 180
gatggaaaga gtagtgctga ggagctgcag aagggtgctg cagaccttag gtcagccatc 240
tggaagcaga tggctgatgc tggg                                           264
```

<210> 2990

<211> 316

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2990

```
tacgcgtacg taagctcgga attcggtcgc agcttctttc cctaattgac aagatccttc 60
ctgtctacag ggagngtggt gctgaattga aggcagctgg tgctacttgg atccagtttg 120
atgaacctac ccttgtgaag gatctcaana cccaccagtt acaagcattt acacatgnct 180
atgcagagct agagtcaagt ttatctgggt ttaatgttct gattgagana tactttgctg 240
atgtccctgc tgaagcatac aaaacactca cctctttgaa ggctgttact gcatatgggt 300
ttgatattgt tcgtgg                                           316
```

<210> 2991
 <211> 321
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2991

caanatacat gcacgcntac gtnagctcgg aattcggctc gagggcagct ggtgctactt 60
 ggatccagtt tgatgaacct acccttgatga aggatctcaa caccaccag ttacaagcat 120
 ttacacatgc ctatgcagag ctagagtcaa gtttatctgg ttttaatggt ctgattgaga 180
 cataactttgc tgatgtccct gctgaagcat acaaaacact cacctctttg aaggctgtta 240
 ctgcatatgg gtttgatatt gttcgtggaa caaagaccct ggatttggtc naggcaggtt 300
 ttcccnctgg gaaatntttt t 321

<210> 2992
 <211> 331
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2992

ttgcangcac gcgtagtaag ctcggaattc ggctcgagnn tctttcccta attgacaaga 60
 tccttcctgg tctacagga ggtngttgct gaattgaagg cagctgggtgc tatttgatc 120
 tagtntgatg aacctacct tgtgaaggat ctcaacaccc accagttaca agcatttaca 180
 catgcctatg caganctaga gtcaagttaa tctgggttta atgttctgat tgagacatac 240
 tttgctgatg tcctgctga agcatataaa acactcacct ctttgaaggc tgttactgca 300
 tatgggtttg atattgttcg tggaacaaag a 331

<210> 2993
 <211> 284
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2993

gatcgacatg cttgggctgg agaatacccc ggcgtgaagc gcatcaccat caagcccaa 60
 actgacagat ggggtctcct gagaccaaca cggatcatg tcttggctga gggctgattg 120

atgaacttgg atgcgcaatg gaaaccccag tttggagtct gttcctcaac naccagtcac 180
 tgtcacttag tgtgaagggg natacgnagt acgagagagt tagttgcca gactgagaga 240
 gtgtgcntta ctggcaattg gactagtgcc actacagccg gtgt 284

<210> 2994
 <211> 297
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2994

cangcacgcg tacgtaagct cggnatctcg ctcgaggggc cccgnacggc ggccccgacc 60
 tnatcgctga cgacggaggc gacgccaccc tcctcatcca cgagggcgctc aaggccgagg 120
 agctctatga gaagaccggg gaactccccg accctaactc cactnanaat ncnaannntc 180
 cagatcgctgc ttaccnncan cagnganngg ttgaanaccg atcncaccan gtaccgnaag 240
 atgaaggncg gtctcggttg ggtttctgag aaaccaacac tgggtgtaag agnctat 297

<210> 2995
 <211> 318
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2995

ngtcgcatgc acgcntacgt aagctcggaa ttcggctcga gtgagaagac cggggaactc 60
 cccgacccta actccactga caacgcccag ttccagatcg tgcttaccat catcagagat 120
 ggggtgaaga ccgatccac caggtaccgc aagatgaagg agcgtctcgt tggggtttct 180
 gaggaaaanc aaccactggg gttaaagang gctaaatccg gatgncaggc gaatggggat 240
 tctantcntt ccctgnngat aaatgtcaat gagannctnt tcncnaaggc ccangtttgn 300
 aaanttttna cgggnccg 318

<210> 2996
 <211> 288
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations

<400> 2996

cgtcgcangc acgcgtacgt aagctcggaa ttcggctcga gcccgacccc anctccaccg 60
ncaacgccga gtttcanatc gtgcttacna tcatcagaga tgggttgang accgatccca 120
ccaggtagcg caagatgncg gngcgtctcg ttgggggtnc tgagggnacc accactggng 180
tnangaggct ctatnagatg naggcgaatg ggncctcttct cttccctgcn attnntgtna 240
atgacnngtc nccangagca agtttgacaa cntgtatngg tgccgtca 288

<210> 2997

<211> 334

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2997

cgtcgcngca cgcgtacgtn agctcggaaat tcggctcgag tcaacatcaa gcctcaaaca 60
gacagatggg ttttccccga taccaagagg gggatcatcg tgttggcaga gggtcgtttg 120
atgaacttgg ggtgtgccac gggacacccc agctttgtga tgcgtgctc cttcaccaac 180
caggtcattg ctacagcttga attgtggaaa gagaagggtt ctgggaagta tgagaagaag 240
gataatnnat nccaagcac ctncagagaa agnngcntna nanctaccat tgccagcatt 300
gagcnntgcg naccaagcgt tccaaagacc aagc 334

<210> 2998

<211> 277

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2998

gcacgcgtac gtaagctcgg aattcggctc gagcggagtt ccagatcgtg ctgagcatca 60
tcagggatgg cttgaagacc gatcccaaga ggtaccacaa gatgaaggac agaatcgtcg 120
gtgtctccga agaaaccacc accggtgtca agaggctcta ccagatgcag gccaatggct 180
ccctcttggt ccttgccatc aacgtcaatg actcggtcac caagagcaag tntgataact 240
tgtatggatg ccgtcactcg cttcccgatg gactgat 277

<210> 2999

<211> 293
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2999

tcgcangcac gcgtacgtaa gctcgnaat tcggctcgag ctcagccctt caagggggcc 60
 cgcatacccg gctcccttca catgaccatc cagaccgctg tcctcatcga gaccncanc 120
 gttctnngcg ncgtggttcn ntngtgctcc tnnaanntnt tcnccattna gnnncncanc 180
 gcngtcgcna tcgcncgtnt cagcgtccgc tgtctacgcc tgtaatggtg atacctcca 240
 tgagtactnt tggtgacng atnggccctc gatgggnccc cggcggcngn ccc 293

<210> 3000
 <211> 288
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3000

gcgaangcat gcacgcgtac gtaagctcgg aattcggctc gaggccagct tggagctagg 60
 ctcaccaagc tttccaaaga ccaagctgat tacatcagtg tgctgttga gggccatac 120
 aagcctctc actacaggta ctgatccatc ctattnnggg agaataaacc taaactattn 180
 tatcaattcc cgaggntca ttgttacct ttcctttttg gattttttcc attacaattt 240
 acntttgtgg tagcatcgga gcttcttttt tcttttttag tannatca 288

<210> 3001
 <211> 286
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3001

gcangcacgc gtacgtaagc tcggaattcg gctcgaggtc tccgaggccg acatcttcgt 60
 caccaccaca ggggaacaagg acattatcat gcttgaccac atgaagaaga tgaagaacaa 120
 tgccatcgtg tgcaacattg gccacttcga caacgaaatc gacatgctgg ggcttgagac 180
 ctgccctggt gtgaagcgca tcaacatcaa gcctcanacn gacagatggg ttttccccga 240
 taccaagagg gggatcatcg tgttggcaga gggtcgtttg atgaan 286

<210> 3002
 <211> 294
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3002

acgncgcang gacncgtaag ntcaggtctc nagctcgngg cnaggatccc aagaggtacc 60
 acaacgnnga aggacagaat cgtcgggtgc tccgaagana ccaccaccgg tgtcaagagg 120
 ctctaccaga tgcnggcnaa tggctccctc ttgttccctg ccatcaacgt caatgactcg 180
 gtcaccaana gnangtttga taacttgtnt ggatnccgtc actcgcttcc cgatggactg 240
 atgagagcca ctgatntgat gattgccgga aaggnaagctg ttgtgtgtgg ctac 294

<210> 3003
 <211> 256
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3003

gtcacacgag gtcccgatag antgatgaan cgccactgat gtgatgatng ccggaaaggt 60
 agcagttgng gnnggcaccg agangnggca aggnntagnc ancgnaana ngnaaacng 120
 ggcncgtgtc atngtcancg agatngatcc catntntncc cttnaggcnc taatgncggg 180
 tcttcaggtt ctcaccctgg aagatgtngt ctccgaggcc gacatcntcg tcaccancac 240
 aggaacaag gacatt 256

<210> 3004
 <211> 302
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3004

gtngcannca cgcgtacgta agctcggaat tcggctcgaa ngggccccgg cggcgggccc 60
 gacctcatcg tcgacgacgg aggcgacgcc ancctcctca tccacgaggg cgtcaaggcc 120
 gaggagctct atgagnagac cggggaantc cncgnnccta antccactna caacgccgag 180

ttccagattg tgcttaccat catcagngat gggtnnaana angatccan naggtaccgn 240
 aanntgaagg ancgtctcgt tggggtttct gangaaccce cgatggtgtt aagatgtana 300
 nc 302

<210> 3005
 <211> 313
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 3005

aaancntcaa tcgcangcac gcgtacgtna gctcggaatt cggctcgagc agagatgggt 60
 tgaagaccga tcccaccagg taccgcaaga tgaaggagcg tctcgttggg gttntctgagg 120
 aaaccaccac tgggtgtaag aggctatatc agatgcagcg attgggatcc tattnttccn 180
 ngnaattaat gtcaatgact ctgttaccac gancaatttg acaacttgta ccgggtgccg 240
 tcantctctc cctgatggnc tantnaggcc tactnntgtg ntgttgntg gaaagttggn 300
 ngtgttgcnt gat 313

<210> 3006
 <211> 306
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 3006

agtcgcatgc acncgtacgt aagctcgga ttcggctcga gggncgcgcat caacggctcc 60
 ctccacatga cnatccagag gaggcgttnt cattgagann ntcanngncc ttggngncga 120
 ggtncgntgg tgctcntgca anatcttctc caccaggan cacgcnnacg cngctattgc 180
 ccgcganagt gcngccgtct tcgntggaa gggtagacc ctccaggagt actggtggtg 240
 caccgagcgc gcntcgant ggggccccgg tggtagaccg anctcatcgt cgacgaggtg 300
 gtgang 306

<210> 3007
 <211> 70
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 3007

attnttntgc ttgaccaca tnnagaanat gaagnannan tgccttggtg ttgcaacatt 60
tggccacttt 70

<210> 3008
<211> 536
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3008

gggggngnnn nnnnttcann ggttnoctgc cgtaacgggc cgaaatcccg ggtcgnccca 60
cgcgctccgcc cacgcgtccg nccgntgcga naagannaca gaagggggcc caggctgatt 120
acatcantgt gcctgttgag ggtccatnca agcctgctca ntacnngtac taagtaattg 180
agattatcaa cggaacagtg aggganagac ntantcgggtt ttatgaatcg ggntgattgt 240
ttaagtnttc cttttttttg aggttttggt gttanacttt tcagatttga gggtagcctn 300
agtttanctt tngggcngcn naagnagnag tcaggtnttn aaaaaaggng gcngngntgg 360
nggatnaaan nttacgtacg cttgcntnca acgtcatnnc tcttcgaaag tggcaccnat 420
tttcaattca ggggccggnc gttttaannn cnnctttnnc ggggaaaacc ttggggntan 480
ccanggttac ccccttgnen tnannncccn ttttcccna nttgggttaa aaaaaa 536

<210> 3009
<211> 330
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3009

gtccnatncc gctgngngna gacngggggt tgggtnacnt ggnntcntc ntggttgncc 60
ncttgagggn cttgatganc aatgccattg tttgctncat tggtcacttt gggcctgaga 120
tngacntgct tggntcggag nactattccg gtgtgntnng catcaccatc atgncccctt 180
tctgacagat gggctctccc tgatacngc nccggtatcn ttgtcttggc tgagggtcnn 240
ttgntnatct tgggatncnc cattngnac ttccnttttg tgatgtcctg ctccttcngc 300
antnggntcn ntgctcngnt tgngttggtg 330

<210> 3010
 <211> 473
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 3010

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gtttgattcc gagccannca atgcatcgna nncangcgta cntaaactcg gaattcggcn   60
cnagcaatga ctctgtcacc aagagcaant ttgacancctt gtatgggtgc cgtcactctc  120
tccctgatgg nctcatgagg gctaccgatg ttatgattgc tggaaagggtg gctgttgtgg  180
ctggatatgg tgatgttggc aagggttgtg ctgctgcaat gaagcaggct ggtgctcgtg  240
tcatcgtgac cganattgat cccatctgtg cccttcaggc tctcatggaa ggccttcagg  300
ttctgacctt ggaggatggt gtttctgagg ctgatatctt tgtcaccacc accggttaaca  360
aggacatcat catggttgac cacatgagga aaatgaacaa caatgccatt gtttgcaaca  420
ttggtcacnt tgacaatgag atcgacatgc ttgggctgga gaactaaccg ggg          473
  
```

<210> 3011
 <211> 500
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 3011

```

gaggnttgnt ttgnancnan anactttcgc ctgccgtacc ggtccggaat tcccgggtcg   60
accacgcgt ccgcggacgc gtgggaggac gcgtgggctg cgagagacga cagaaggggg  120
gactctactc ttccctgcta ttaatgtcaa tgactctggt accaagagca agtttgacaa  180
cttgtacggg tgctgtcact ctctccctga tggctctgat agggctactg atgtgatgat  240
tgctggaaag gtggctgttg tggctggata tggngatggt ggcaagggtt gtgctgctgc  300
attgaagcag gctggtgctc gtgtcatcgt gactgagatt gaccocattt gtgcccttca  360
ggctctcatg gaaggccttc aggttctgac cttggaggat gttgtttctg aggctgatat  420
ctttgtcacc accacgggta acaaggacat catcatggnt gaccacatga agaaaatgaa  480
gaacaatgcc attgtttgca                                     500
  
```

<210> 3012
 <211> 383
 <212> DNA
 <213> Glycine max

<400> 3012

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ccattgtttg caacattggt cactttgaca atgagatcga catgcttggg ctggagaact 60
accccggcgt gaagcgcac accatcaagc cccaaactga cagatgggtc ttccctgaga 120
ccaacaccgg tatcattgtc ttggctgagg gtcgattgat gaacttggga tgcgccactg 180
gacaccccag ttttgtgatg tcctgctcct tcaccaacca ggtcattgct cagcttgagt 240
tgtggaagga gaagagtacc ggcaagtacg agaagaaggt ttacgttttg cccaagcacc 300
ttgatgagaa ggtggctgca cttcacctgg gcaaacttgg agctaagctg acccagctta 360
gcaagtccca ggctgattac atc 383
```

<210> 3013
 <211> 528
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3013

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gnnnnggaggt ttganngggg gngggnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnagagagan agagagagat ctatctatct 120
atcaagatgg ngttgttggg tgagaaaaca agcagtggaa gggagtacaa ggtgaaggac 180
atgacgcaag ccgatttcgg aagattggaa atcgagctgg cggaggttga aatgcccggc 240
ctcatgtcct cccgcaccga gttcggcccc tctcaaccct tcaagggcgc taggatcacc 300
ggctccctcc acatgaccat ccaaaccgcc gtcctcatcg agaccctcac cgccttcggc 360
gccgaggtcc gctggtgctc ctgcaacatc ttctccacc aggaccatgc cgccgccgcc 420
atngcccgcg acagcgcctt cgtcttcgcc tggaaggggt gagaccctnc aggaatactg 480
gtggtgcacc gagcgcgcc tcgactgggg ccccggcggn gggcccca 528
```

<210> 3014
 <211> 520
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 3014

agngtttttg tanntggggg gggggggggn aagnganata tnttagctat agatnlnaca 60
tgtacanngt acgtaagctc ggaattcggc tcgagggccg acttcggccg cctcgagatc 120
gagctggccc gaggttgaga tgccgggcct catggcctgg cggaccgagt tcggcccatc 180
tcacccttca aggggggccc catcaccggc tcccttcaca tgaccatnca gaccgctgtc 240
ctcatcgaga cctcaccggn tctcggcgcc gaggttcgct ggtgctcctg caacatcttc 300
tcactcagga ccacgccgcc gncgccatcg cccgtgacag cggcgcgcgc ttcgcctgga 360
agggtgagac cctccaggag tactggtggt gcaccgagcg cggccttgac tggggccccc 420
gcggcgggcc cgacctnatt gtcgacgaen gaagcnacgc cacctctnat cacgaaggcc 480
tnaangncca gggctctatn annaagaccg gggaactccc 520

<210> 3015
<211> 344
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3015

gttattttctc agcgcgtaaa gcatggcttt gttggtggag aaaaccacga gtggtcgcca 60
gtacaaggtc aaggaccttt cccaggccga cttcggccgc ctcgagatcg agctggccga 120
ggttgagatg cccggcctca tggcctgtcg naccgagttc ggccctccc agccttcaag 180
ggggcccgca tcaccggctc cctccacatg accatccagc ggcgcggttc tcattgagac 240
cctcaccgcc cttggcgccg aggtccgctg gtgctcctgc aacatcttct ccanccagga 300
ccacgccgcc gccgtanttc ncgcgacagt gcngccgtct tcgc 344

<210> 3016
<211> 528
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3016

ggnnnaagtt tttgnngggg ggggnannan gtnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnntcgagat cganctggcc 120

cgaggtnag atggcgatcc tcatggcgtg gcggaccgag ttcgggccat ctcanccctt 180
gaagggggcc cgcathnaccg gtcctnttca catgaccatt canaccgntg tctcatcga 240
naccctnacc gctctcggcg ccgagggttcg ctggtgctcc tgcaacatct tctccactca 300
ggaccacgcc gncgncgcca tcgcccgtga cagcgccgnc gtcttcgcct ggaagggtga 360
gaccctnca gagtactggt ggtncaccga gcgcgccctt gactggggcc cccgcgnggc 420
cccgacctta tngtcnaccg accgaaggca accccacctt cttatcaacn aggccgtnaa 480
ggccaaggag ctctatnaag aagaccgggg aactccccna ccctaact 528

<210> 3017
<211> 347
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 3017

ccggctccct tcacatgacc atccagaccg ctgtcctcat cgagaccctn caccgctctc 60
ggcgccgagg ttcgctggtg ctcttgcaac atcttctcca ctcaggacca nnnnnnnnnn 120
nnnnnnnnnc gtgacagcgc cgccgtcttc gcctggaagg gtgagaccct ccaggagtac 180
tggtggtgca ccgagcgcg cctcgactgg ggccccggcg gcggccccga cctncatcgt 240
cgacgacgga ggcgacgcca ccctcctcat ccacganggc gtcaaggccg aggagctcta 300
tgagaagacc ggggaattcc ccgaccctaa ttccantgac aacgcgg 347

<210> 3018
<211> 332
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 3018

gtcgcangca cgctacgtn agctcggaat tcggctcgag caggttctga ccttgaggga 60
tgttgtttct gaggctgata tctttgtcac caccaccggt aacaaggaca tcatcatggt 120
tgaccacatg aggaaaatga agaacaatgc cattgtttgc aacattggtc actttgacaa 180
tgagatcgac atgcttgggc tggagaacta ccccgcgctg aagcgcatca ccatcaagcc 240
ccaaactgac agatgggtct tcctgagac caacaccggt atcattgtct tggctgaggg 300

tcgattgatg aacttgggat gcgccactgg ac

332

<210> 3019

<211> 307

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 3019

ngtngangca cgcgtacgta agctcggaat tcggctcgag gtcaaggacc tntcccaggc 60

cgacttcggc cgcctcgaga tcgagctggc cgaggttgag atgcccggcc tcatggcctg 120

tcggacngag ttcgggccct cccagccctt caagggggcc cgcattcaccg gctccctcca 180

catgaccatc cagngcgccg ttctcattga gaccctcacc gcccttggcg ccgaggtccg 240

ctggtgctcc tgcaacatct tctccacca ggaccagcc gccgccgcta ttgcccgcga 300

cagtgcc 307

<210> 3020

<211> 298

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 3020

cgctgcntac gtacgtaagc tcggaattcg gctcgagccg agttcggccc ctcccagccc 60

ttcaaggggg cccgcatcac cggctccctc cacatgacca tccagaccgc cgttctcatt 120

gagaccctca ccgccccttg cgcgaggtc cgctggtgct cctgcaacat cttctccacc 180

caggaccacg ccgcccgcgc tattgcccgc gacagtgccg ccgtcttcgc ctggaagggt 240

gagaccctcc aggagtactg gtggtgcacc gagcgcgcc tcgactgggg ccccgggtg 298

<210> 3021

<211> 339

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 3021

ctttctctag tctgttatt tctcagcgcg taaagcatgg ctttggtggt ggagaaaacc 60

acgagtgggc gcgantacaa ggtcaaggac tttcccaggc cgacttcggc cgccctcgaga 120
tcgagctggc cgaggttgan atgcccggcc tcatggcctg tcggaccgag ttccggccct 180
cccagccctt caagggggcn cgcatacccg gntccctcca catnaccatc cagaccgccg 240
ttctcattga gaccctcacc gcccttggcg ccgaggtncg ctggtgctcc tgcaacatct 300
tctccacca ggaccacgcc gngccgctat tgtcgcgaa 339

<210> 3022
<211> 275
<212> DNA
<213> Glycine max

<400> 3022

caccactggt gttaagaggc tatatcagat gcaggcgaat gggactctac tcttccctgc 60
tattaatgtc aatgactctg ttaccaagag caagtttgac aacttgtacg ggtgccgtca 120
ctctctccct gatggtctga tgagggctac tgatgtgatg attgctggaa aggtggctgt 180
tgtggctgga tatggtgatg ttggcaaggg ttgtgctgct gcattgaagc aggctggtgc 240
tcgtgtcatc gtgactgaga ttgaccccat ttgtg 275

<210> 3023
<211> 320
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3023

cnntncacgc gtacgnagc tcggaattcg gctcaggag gaaaccacca ctggtgttaa 60
gaggctatat cagatgcagg cgaatgggac tctactcttc cctgctatta atgtcaatga 120
ctctgttacc aagancaagt ttgacaactt gtacgggtgc cgtcactctc tccctgatgg 180
tctgatgagg gctactgatg tgatgattgc tggaaagggtg gctgttgtgg ctggatatgg 240
tgatgttggc aagggttgtg ctgctgcatt gaagcaggct ggtgctcgtg tcatcgtgac 300
tgagattgac cccattgtgc 320

<210> 3024
<211> 306
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3024

atgtcgcggtt cacgcgtacg taagctcgga attcggctcg aggggtggaga aaaccacgag 60
tggtcgcgag tacaaggtca aggacctttc ccaggccgac ttcggccgcc tcgagatcga 120
gctggccgag gttgagatgc ccggcctcat ggctgtcgg accgagttcg gccctccca 180
gcccttcaag ggggcccga tcaccggctc cctccacatg accatccaga ncgccgttct 240
cattgagacc ctcaccgccc ttggcgccga ggtccgctgg tgctcctgca acatcttctc 300
caccca 306

<210> 3025
<211> 518
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3025

agtttntntt nngggggggg gggggnaang agtancgctn agctatgacg tcgcatgcac 60
gcgtacgtaa gctcgggaatt cggctcgagg agagatctat ctatctatca agatggcggtt 120
gttggttgag aaaacaagca gtggaaggga gtacaagggtg aaggacatga cgcaagccga 180
tttcggaaga ttggaaatcg agctggcgga ggttgaaatg cccggcctca tgtcctcccg 240
caccgagttc ggccctctc aacccttcaa gggcgctagg atcaccggct cctncacat 300
gaccatncaa accgncgtcc tcacgagac cctnaccggc ctnggcgccg aggtcccgt 360
ggtgctnctg caacatcttc ttcanccaag accatgccgg cgcgcatcgc cgggacagcg 420
ccttcgtctt cgcttgaaa ggtgagaccc ttcaggaatc tggtggtgca ccgagcgcg 480
ccttgactgg ggccccngcg gcggcccgat ctnattgt 518

<210> 3026
<211> 338
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3026

ctccaagggtc agaacctgaa ggccttccat gagagcctga tatctttgtc accaccaccg 60

gtaacaagga catcatcatg gttgaccaca tgaggaaaat gaagaacaat gccattgttt 120
gcaacattgg tcaactttgac aatgagatcg acatgcttgg gctggagAAC tccccggcg 180
tgaagcgcac caccatcaag ccccaaactg acagatgggt ctnccctgag accaacaccg 240
gtatcattgt cttggctgag ggtcgattga tgacttggga tgcgccatgg acaccccagt 300
tttgtgatgt cctgctcctt caccaacang tcattgtc 338

<210> 3027
<211> 286
<212> DNA
<213> Glycine max

<400> 3027

gtaccaatgt cggcatcatt gtcttggccg agggctggtt gatgaacttg ggatgcgcca 60
caggacaccc tagttttgtg atgtcctgct ccttcaccaa ccaggtcatt gctcagcttg 120
agttgtggaa ggagaagagt accggcaagt acgagaagaa agtttacgtt ttgcccagc 180
accttgatga caaggtggct gcacttcacc ttggcaaact tggagctaag ctcaccaagc 240
ttagcccggc ccaggctgat tacatcagtg tgcctgttga gggccc 286

<210> 3028
<211> 340
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3028

gtcgcacgca cgcgtacgta agctcggaat tcggctcgag nccatgttat gattgctgga 60
aagggtggctg ttgtggctgg atatggtgat gttggcaagg gttgtgctgc tgcaatgaag 120
caggctggcg ctggtgtcat cgtgaccgag antcnatccc atctgtgccc ttcaggctct 180
catgnaaggc cttcagggtt tgaccttgga ggatgttgtt tctgaggctg atatctttgt 240
caccaccacc ggtaacaagg acatcatcat ggttgaccac atgaggaaaa tgaagaacaa 300
tgccattgtt tgcaacattg gtcactttga caatgagatc 340

<210> 3029
<211> 312
<212> DNA
<213> Glycine max

<400> 3029

tcgcatgcac gcgtacgtaa gctcgggaatt cggctcgagc tgaggaaacc accactggag 60
ttaagaggct ctatcagatg caggcgaaatg ggactcttct cttccctgct attaattgtca 120
atgactctgt caccaagagc aagtttgaca acttgatatgg gtgccgtcac tctctccctg 180
atggctcat gagggctacc gatgttatga ttgctggaaa ggtggctggt gtggctggat 240
atgggtgatgt tggcaagggg tgtgctgctg caatgaagca ggctgggtgct cgtgtcatcg 300
tgaccgagat tg 312

<210> 3030

<211> 280

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 3030

agtcgcangc acgcgtacgt aagctcggaa ttcggctcga gaaggtaag gacctttccc 60
aggccgactt cggccgcctc gagatcgagc tggccgaggt tgagatgcc ggcctcatgg 120
cctgtcggac cgagttcggc cctcccagc ccttcaaggg ggcccgcac accggtccc 180
tccacatgac catccagacc gccgttctca ttgagaccct caccgccctt ggcgccgagg 240
tccgctggtg ctctgcaac atcttctcca cccaggacca 280

<210> 3031

<211> 324

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 3031

ngangcacgc gtacgtaagt cggaattcgg ctcgagtgtt atttctcagc gcgtaaagca 60
tgggctttgt tgggtggagaa aaccacgagt ggtcgcgagt acaaggtaaa ggacctttcc 120
caggccgact tcggccgcct cgagatcgag ctggccgagg ttgagatgcc cggcctcatg 180
gcctgtcggg ccgagttcgg cncctcccag cccttcaagg gggcccgcac caccggctcc 240
ctccacatga ccatccagac cgccgttctc attgagacc tcaccgccct tggcgccgag 300
ntccgctggt gctcctgcaa catc 324

<210> 3032
 <211> 303
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3032

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acgtcgcang cacgcgtacg tnagctcgga attcggtcgc aggccctcc cagcccttca 60
agggggcccg catcaccggc tccctccaca tgaccatcca ganccgccgt tctcattgag 120
accctcaccg cccttggcgc cgaggtccgc tgggtgctct gcaacatctt ctccaccag 180
gaccacgccg ccgccgtat tgcccgcgac agtgccgccg tcttcgcctg gaagggtag 240
accctccagg agtactggtg gtgcaccgag cgcgccctcg actggggccc cggtggtgga 300
ccc 303
```

<210> 3033
 <211> 308
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3033

```
gtnnatncac gcgtacgtaa gctcgggaatt cggctcgagg ctggtgctcc tgcaacatct 60
tctccacca ggaccacgcc gccgccgcta ttgccgcga cagtgccgcc gtcttcgect 120
ggaagggtag gacctccag gactactggt ggtgcaccga gcgcgccctc gactggggcc 180
ccggtggtgg acccgacctc atcgtcgacg acggtggtga cgctaccctt ctcatccag 240
aaggcgtcaa ggccgaggag ctctatgaga agaccggcga actccccgac cccaactcca 300
ccgacaac 308
```

<210> 3034
 <211> 294
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3034

```
gtcgcangca cgcgtacgta agctcgggaat tcggctcgag caccggtaac aaggacatca 60
```

tcatggttga ccacatgagg aaaatgaaga acaatgccat tgtttgcaac attggtcact 120
 ttgacaatga gatcgacatg cttgggctgg agaactaccc cggcgtgaag cgcataacca 180
 tcaagcccca aactgacaga tgggtcttcc ctgagaccaa caccggtatc attgtcttgg 240
 ctgaggggtcg attgatgaac ttgggatgcg ccaactggaca cccagtttt gtga 294

<210> 3035
 <211> 332
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 3035

ntacagtcgc angcacgcgt acgttagctc ggaattcggc tcgagctcta tcagatgcag 60
 gcgaatggga ctcttctctt ccctgctant aatgtcaatg actctgtcac caagancaag 120
 tttgacaact tgtatgggtg ccgtcactct ctccctgatg gtctcatgag ggctaccgat 180
 gttatgattg ctggaaaggt ggctgtttg gctggatatg gtgatgttgg caagggttgt 240
 gctgctgcaa tgaagcaggc tgggtgctcg gtcacgtga ccgagattga tcccatctgt 300
 gcccttcagg ctctcatgga agccttcagg tt 332

<210> 3036
 <211> 287
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 3036

tcncatcgca tgcacgcgta cgtaagctcg gaattcggct cgagcgagta caaggtaag 60
 gacctttccc aggccgactt cggccgcctc gagatcgagc tggccgaggt tgagatgcnc 120
 ggctcatgg nctgtcggac ngagttcggc ncctcccagc ccttcaaggg ggcccgcac 180
 accggctccc tccacatgac catccaganc gccgttctca ttgagaccct caccgccctt 240
 ggcgccgagg tccgctggtg ctctgcaac atcttctcca cccagga 287

<210> 3037
 <211> 326
 <212> DNA
 <213> Glycine max

<400> 3037

gcacgcgtac gtaagctcgg aattcggctc gaggttccag atcgtgctta ccatcatcag 60
agatgggttg aagaccgatc ccaccaggta ccgcaagatg aaggagcgtc tcgttggggg 120
ttctgaggaa accaccactg gtgttaagag gctatatcag atgcaggcga atgggactct 180
actcttcctg ctattaatgt caatgactct gttaccaaga gcaagtttga caactgttac 240
gggtgccgtc actctctccc tgatgggtctg atgagggcta ctgatgtgat gattgctgga 300
aaggtaggctg ttgtggctgg atatgg 326

<210> 3038

<211> 306

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 3038

cgcangcacg cgtacgtaag ctcggaattc ggctcgaggg aaaatgaaga acaatgccat 60
tgtttgcaac attgggtcact ttgacaatga gatcgacatg cttgggctgg agaactaccc 120
cggcgtgaag cgcacaccca tcaagcccca aactgacaga tgggtcttcc ctgagaccaa 180
caccggtatc attgtcttgg ctgagggctg attgatgaac ttgggatgag ccaactggaca 240
ccccagtttg tgatgtcctg ctccttcacc aaccagggtca ttgctcagct tgagttgtgg 300
aaggag 306

<210> 3039

<211> 259

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 3039

ctcattgaga ccctcacgc ccttggcgcc gaggtccgct ggtgctcctg caacatcttc 60
tccacccagg accacgcnc cgccgctatt gcccgcgaca gtgccgccgt cttcgccctgg 120
aagggtgaga ccctccagga gtactggtgg tgcaccgagc gcgccctcga ctggggcccc 180
gggtggtggac ccgacctcat cgtcgacgac ggtggtgacg ctacccttct catccacgaa 240
gcgtcaaggc cgaggagct 259

<210> 3040
 <211> 306
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3040

nncgcatgca cgcntacgta aagctcggaa ttcggctcga ggtaaagcat ggctttgttg 60
 gtggagaaaa ccacgagtgg tcgcgagtac aagggtcaagg acctttcca ggccgacttc 120
 ggccgcctcg agatcgagct ggccgagggt gagatgcccg gcctcatggc ctgtcggacc 180
 gagttcggcc cctcccagcc cttcaagggg gcccgcatca ccggctccct ccacatgacc 240
 atccagancg ccgttctcat tgagaccctc accgcccttg gcgccgaggt ccgctggtgt 300
 cctgca 306

<210> 3041
 <211> 312
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3041

ttcangcncg cntacgtaag ctcggaattc ggctcgannc ttgggatgcg ccactggaca 60
 ccccagnttt gtnatgtcct gtccttcac caaccaggtc attgctcagc ttgagttgtg 120
 gaaggagaag agtaccggca agtacgagaa gaaggtttac gttttgcca agcaccttga 180
 tgagaagggtg gctgcacttc acctgggcaa acttgngct aagctgacct agcttngcaa 240
 gtcccaggct gattacatca gtgtgcctgt tganggtcca tacaagcctg ctactacag 300
 gtactaagtg at 312

<210> 3042
 <211> 330
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3042

cnaagtctcn ngcacgcgta cgtaantcgg aattcggctc gaggctggtg ctctgcaac 60
 atcttctcca cccaggacca cgccgccgcc gctattgccc gcggacagtt nccgccgnet 120

tcgcctggaa gggtagagacc ctccaggagt actggtggtg caccgagcgc gccctcgact 180
 ggggccccgg tggtaggacc gacctcatcg tcgacgacgg tggtagcgct acccttctca 240
 tccacgaagg cgtcaaggcc gaggagctct atgagaagac cggcgaactc cccgacccca 300
 actccaccga caacgccgag tttcagatct 330

<210> 3043
 <211> 314
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 3043

gtcgtatgca cgcgtangta agctcngaatt tcggctcgag tttctgagga aaccaccact 60
 ggagttaaga ggctctatca gatgcaggcg aatgggactc ttctcttccc tgctattaat 120
 gtcaatgact ctgtcaccaa gagcaagttt gacaacttgt atgggtgccg tcaactctctc 180
 cctgatggtc tcatgagggc taccgatgtt atgattgctg gaaagggtggc tgttgtggct 240
 ggatatggtg atgttggtgca ggttggtgctg ctgcaatgaa gcaggctggt gctcgtgtca 300
 tcgtgancga gatc 314

<210> 3044
 <211> 312
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 3044

naccannnc gcgtacgtaa gctcggaatt cggctcgagt gggactcttc tcttccctgc 60
 tattaatgtc aatgactctg tcaccaagag caagtttgac aacttgatg ggtgccgtca 120
 ctctctccct gatgggtctca tgagggctac cgatgttatg attgctggaa aggtggctgt 180
 tgtggctgga tatggtgatg ttggcaaggg ttgtgctgct gcaatgaagc aggctggtgc 240
 tcgtgtcatc gtgaccgaga ttgatcccat ctgtgccctt caggctctca tggaaggcct 300
 caggttctga cc 312

<210> 3045
 <211> 307

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 3045

gtcgcangca cgcntacgtn anctcggnt tnggctcgag cnagggttgt nctgccgcan 60
 tgaagcaggc tgggtgctcg gtcacgtga ccgagattga tcccatctgt gcccttcagg 120
 ctctcatggn aggcccttcag gntctgacct tggaggatgt tgtttctgan gctgatatct 180
 ttgtcaccac caccggtaac aaggacatca tcatgggtga ccacatgagg aaaatgaaga 240
 acaatgccat tgtttgcnac attgggtcact ntgacaatga gatcgacatg cttgggctgg 300
 agaacta 307

<210> 3046
 <211> 314
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 3046

tccgtgcacg cgtacgtaag ctcggaattc ggctcgagnt ggatgcgcca ctggacaccc 60
 cagttttgtg atgtcctgct ccttcaccaa ccagggtcatt gctcagcttg agttgtggaa 120
 ggagaagagt accggcaagt acgagaagaa ggtttacggt ttgcccaagc accttgatga 180
 gaagggtggct gcacttcacc tgggcaaact tggngctaag ctgaccacgc ttagcaagtc 240
 ccaggctgat tacatcagtg tgcctgttga ggggtccatac aagcctgctc actacaggta 300
 ctaagtgatt gaga 314

<210> 3047
 <211> 316
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 3047

cntacgtaag ctcggaattc ggctcgaggt cctgttattt ctcagcgcgt aaagcatggc 60
 tttgttggtg gagaaaacca cgagtggctg cgagtacaag gtcaaggacc tttcccaggc 120
 cgacttcggc cgcctcgaga tcgagctngc cgagggttgag atgcccggcc tcatggcctg 180

tcggaccgag ttcgggccct cccagccctt caagggggcc cgcacaccg gctcctccac 240
atgaccatcc agaccgccgt tctcattgag accctcaccg cccttggcgc cgaggtccgc 300
tggtgctctg caacat 316

<210> 3048
<211> 259
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 3048

gttgtttctg aggctgatat ctttgtcacc accaccggt acaagggaca tcatcatggt 60
tgaccacatg aggaaaatga agaacaatgc cattgtttgc aacattgggc actttgacaa 120
tgagatcgac atgcttgggc tggagaacta ccccggcgtg angcgcatca ccatcaagcc 180
ccaaactgac agatgggtct tccctgagac caacaccggt atcattgtct tggctgaggg 240
tcgattgatg aacttgga 259

<210> 3049
<211> 346
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 3049

agaacgnnaa nangtcgcat gcacgcgtac gtaagctcgg gaattcggct cgagcagtgc 60
cgccgtcttc ncctggaagg gtgagaccct ccaggagtac tggtggtgca ccgagcgcg 120
cctcgactga ngccccggtg gtggaccoga cctcatcgtc gacgacggtg gtgacgctac 180
ccttctcatc cacgaaggcg tcaaggccga ggagctctat gagaagaccg gcgaactccc 240
cgaccnaac tccaccgaca acgcccaggt tcagatcgtg cttaccatca tcagagatgg 300
gttgaagacc gatcccacca ggtaccgcaa agtgaaggag cgtctc 346

<210> 3050
<211> 319
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 3050

gangcacncg tacgttagct cggaattcgg ctcgagctct ttctctagtc ctgttatttc 60
tcagcgcgta aagcatggct ttgttggtgg agaaaaccac gagtggtcgc gagtacaagg 120
tcaaggacct ttcccaggcc gacttcggcc gcctcgagat cgagctggcc gaggttgaga 180
tgcccggcct catggcctgt cggaccgagt tcggcccctc ccagcccttc aagggggccc 240
gcatcaccgg ctccctccac atgaccatcc agaccgccgt tctcattgag accctcaccg 300
cccttggcgc cgaggtccg 319

<210> 3051
<211> 298
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 3051

ntacgcangc acncgtacgt nagctcggaa ttcggctcga ggtaaagcat ggctttgttg 60
gtggagaaaa ccacgagtgg tcgcnagtac aaggtcaagg acctttccca ggccgacttc 120
ggccgcctcg agatcgagct ggccgaggtt gagatgcccg gcctcatggc ctgtcggacc 180
gagttcggcc cctcccagcc cttcaagggg gcccgcatca ccggctccct ccacatgacc 240
atccagaccg ccgttctcat tgagaccctc accgcncctg gcgccgangt ccgctggg 298

<210> 3052
<211> 317
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 3052

tcgcangcac gcgtacgtaa gctcgggaatt cggctcgagc tgttatttct cagcgcgtaa 60
agcatggctt tggttggtgga gaaaaccacg agtggtcgcg agtacaagg caaggacctt 120
tcccaggccg acttcggccg cctcgagatc gagctggccg aggttgagat gcccggcctc 180
atggcctgtn cggaccgagt tcggcccctc ccagcccttc aagggggccc gcatcaccgg 240
ctccctccac atgaccatcc agaccgccgt tctcattgag accctcaccg cccttggcgc 300
cgaggtccgc tggtgct 317

<210> 3053
 <211> 311
 <212> DNA
 <213> Glycine max

<400> 3053

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gtcgcacatgca cgcgtacgta agctcgggaat tcggctcgag gcaagatgaa ggagcgtctc 60
gttgggggttt ctgaggaaac caccactgga gttaagaggc tctatacaga tgcaggcgaa 120
tgggactctt ctcttcctg ctattaatgt caatgactct gtcaccaaga gcaagtttga 180
caacttgat ggggtccgct actctctccc tgatgggtct atgagggcta ccgatgttat 240
gattgctgga aagggtggct ttgtggctgg atatggtgat gttggcaagg gttgtgctgc 300
tgcaatgaag c 311
```

<210> 3054
 <211> 308
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3054

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nncangcncg cgtacgtnag ctcggaattc cgctcgagct cgagccgcgg gtaacaagga 60
catcatcatg gttgaccaca tgangaaaat gaagaacaan cgccattgtt tgcaacattg 120
gtcactttga caatgagatc gacatgctgg ggctggagaa ctaccccggc gtgaagcgca 180
tcaccatcaa gcccacaaacc gacagatggg tcttccccga gaccaatgtc ggcacattg 240
tcttgccga gggtcgtttg atgaacttgg gatgcgccac aggacaccct agttttgtga 300
tgtctgc 308
```

<210> 3055
 <211> 347
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3055

```
cntnnnnatg nanacgtcgc atgcacgcgt acgtnaagct cggaattcgg ctcgagctct 60
ttctctagtc ctgttatttc tcagcgcgta aagcatggct ntgttggtgg agaaaaccac 120
gagtggctgc gagtacaagg tcaaggacct ttcccaggcc gacttcggcc gcctcgagat 180
```

cgagctggcc gaggttgaga tgcccggcct catggnctgt nggaccgagt tcggcccctc 240
ccancccttc aagggggccc gcatcaccgg ctccctccac atgaccatcc agancgccgt 300
tctcattgag accctcaacg gccttggcgc cgangtccgc tgggtgct 347

<210> 3056
<211> 349
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 3056

cgcgtagcta agctcggaat tcggctcgag ngacgacggt ggtgacgcta cccttctcat 60
ccacgaaggc gtcaaggccg aggagctcta tgagaagacc ggcgaactcc ccgaccccaa 120
ctccaccgac aacgccgagt ttcagatcgt gcttaccatc atcagagatg ggttgaagac 180
cgatcccacc aggtaccgca agatgaagga gcgtctcggt ggggtttctg aggaaaccac 240
cactggagtt aagaggctct atcagatgca ggcgaatggg actcttctct tccctgctat 300
taatgtcaat gactctgtca ccaagagcga gttgacaatt gtatgggtg 349

<210> 3057
<211> 315
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 3057

tcgcangcac gcgtacgtaa gctcggaatt cggctcgagn agtcctgtta tttctcagcg 60
cgtaaagcat ggctttgttg gtggagaaaa ccacgagtgg tcgcgagtac aaggtcaagg 120
acctttccca ggctgacttc ggccgcctcg agatcgagct ggccgaggtc gagatgcccg 180
gcctcatggc ctgtcggacc gagttcggcc cctcccagcc cttcaagggg gcccgcacatca 240
ccggctccct ccacatgacc atccagaccg ccgttctcat tgagaccctc accgcccttg 300
gcgcnnaggt ccgct 315

<210> 3058
<211> 339
<212> DNA
<213> Glycine max

<223> unsure at all n locations
 <400> 3058

```

cnatntttgn acgcgtacgt aagctcggaa ttcggctcga cctcgagccg attcggtcgc 60
aggttatttc tcagcgcgta aagcaacggc tttgttggtg gananaacca cgagtggctc 120
cnngtacaag gtcaaggacc tttcccaggc cgacttcggc cgctcgcaga tcgagctggc 180
cgaggttgag atgcccggcc tcatggcctg tcggaccgag ttcggcccct cccanccctt 240
caagggggcc cgcataccg gctccctcca catgaccatc cagaccgccg ttctcattga 300
gaccctcacc gcccttggcg ccgaggtccg ctggtgctc 339

```

<210> 3059
 <211> 301
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3059

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tcgcangcac gcgtacgtaa gctcgggaatt cggctcgagg aaaatgaaga acaatgccat 60
tgtttgcaac attggtcact ttgacaatga gatcgacatg ctggggctgg agaactaccc 120
cggcgtgang cgcataccca tcaagcccca aaccgacaga tgggtcttcc ccgagaccaa 180
tgtcggcatc attgtcttgg ccgagggctc tttgatgaac ttgggatgcg ccacaggaca 240
ccctagtttt gtgatgtcct gctctcacca accaggtcat tgctcagctt gagttgtgga 300
a 301

```

<210> 3060
 <211> 331
 <212> DNA
 <213> Glycine max

<400> 3060

```

tcgcatgcac gcgtacgtaa gctcgggaatt cggctcgagc tctttctcta gtcctgttat 60
ttctcagcgc gtaaagcatg gctttgttgg tggagaaaac cacgagtggc cgcgagtaca 120
aggtcaagga cctttcccag gccgacttcg gccgcctcga gatcgagctg gccgaggttg 180
agatgcccgg cctcatggcc tgtcggaccg agttcggccc ctcccagccc ttcaaggggg 240
cccgcatcac cggctccctc cacatgacca tccagaccgc cgttctcatt gagaccctca 300

```

ccgcccttgg cgccgagtcc gtatgtcctg c

331

<210> 3061
<211> 294
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3061

tcgcangcac gcgtacgtaa gctcggaatt cggctcgagt tgacaacttg tacgggtgcc 60
gtcactctct ccctgatngt ctgatgaggg ctactgatgt gatgattgct ggaaagggtg 120
ctgttggtggc tggatatggt gatgttgga agggttgtgc tgctgcattg aagcaggctg 180
gtgctcgtgt catcgtgact gagattgacc ccatttgtgc ccttcaggct ctcatggaag 240
gccttcaggt tctgacctg gaggatgttg tttctgaggg tgatatcttg tcac 294

<210> 3062
<211> 291
<212> DNA
<213> Glycine max

<400> 3062

cacgcgtacg taagctcgga attcggctcg aggcaggcga atgggactct tctcttccct 60
gctattaatg tcaatgactc tgtcaccaag agcaagtttg acaacttgta tgggtgccgt 120
cactctctcc ctgatggtct catgagggct accgatgtta tgattgctgg aaagggtggc 180
gttggtggctg gatatggtga tgttggaag ggttggtctg ctgcaatgaa gcaggctggc 240
gctcgtgtca tcgtgaccga gattgatccc atctgtgccc ttcaggctct c 291

<210> 3063
<211> 293
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3063

gtcgcangca cgcgtacgta agctcggaat tcggctcgag gaggaacca ccaactggagt 60
taagaggctc tatcagatgc aggcgaatgg gactcttctc ttccctgcta ttaatgtcaa 120
tgactctgtc accaagagca agtttgacaa cttgtatggg tgccgtcact ctctccctga 180

tgggtctcatg agggctaccg atgttatgat tgctggaaaag gtggctgttg tggctggata 240
 tggatgatgtt ggcaaggggt gtgctgctgc aatgaagcag gctgggtgctc gtg 293

<210> 3064
 <211> 313
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3064

ctnncangnc nccgtacgta agctcggaat tcggctcgag ngaaaatgaa gaacaatgcc 60
 attgtttgca acattgggtca ctttgacaat gagatcgaca tgcttgggct ggagaactac 120
 cccggcgtga agcgcacac catcaagccc caaactgaca gatgggtctt ccctgagaca 180
 acaccggtat cattgtcttg gctgaggggc gattgatgaa cttgggatgc gccactggac 240
 accccagttt tgtgatgtcc tgctccttca ccaaccaggc atgctcagct tgagttgtgg 300
 aaggagaaga gta 313

<210> 3065
 <211> 301
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3065

gtcgcacgca cgcgtacgtn agctcggaat tcggctcgag ggaaaatgaa gaacaatgcc 60
 attgtttgca acattgggtca ctttgacaat gagatcgaca tgcttgggct ggagaactac 120
 cccggcgtga agcgcacac catcaagccc caaactgaca gatgggtctt ccctgagacc 180
 aacaccggtg tcattgtctt ggctgagggg cgattgatga acttgggatg cgccactgga 240
 caccacagtt ttgtgatgtc ctgctccttc accaaccagg tcatgctcag cttgagttgt 300
 g 301

<210> 3066
 <211> 325
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 3066

```
agtcgcnnngc acgcgtacgt aagctcggaa ttcggctcga ggttatttct cagcgcgtaa 60
agcatggcctt tgttggtgga gaaaaccacg agtggtcgcg agtacaaggt caaggacctt 120
tncccaggcc gacttcggcc gcctcgagat cgagctggcc gaggttgaga tgcccggcct 180
catggcctgt cggccgagtt cggcccctcc cagcccttca agggggcccg catcaccggc 240
tccctccaca tgaccatcca gaccgccgtt ctcatgaga ccctcaccgc ccttggcgcc 300
gaggtccgct ggtgctctgc aacat 325
```

<210> 3067

<211> 296

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 3067

```
cgcngcacgc gtacgtaagc tcggaattcg gctcgagacc gatcccacca ggtaccgcaa 60
gatgaaggag cgtctcgttg gggtttctga ggaaaccacc actggtgtta agaggctata 120
tcagatgcag gcgaatggga ctctactctt ccctgctatt aatgtcaatg actctgttac 180
caagagcaag ttgacaact tgtacgggtg ccgtcactct ctccctgatg gtctgatgag 240
ggctactgat gtgatgattg ctggaaangt ggctgttgtg gctggatatg gtgaan 296
```

<210> 3068

<211> 304

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 3068

```
cgtagtaacg tangaantcn gntcggctcn aantnntttc tcagcgcgta aagcatggct 60
ttgttggtgg anataaccac gagtggctgc gagtacaagg tcaaggacct ttcccangcc 120
gacttcggcc gcctcgagat cgagctggcc gangttgana tgcccggcct catggcctgt 180
cggaccgagt tcggcccttc ccagcccttc aagggggccc gcatcaccgg ctccctccac 240
atgaccatcc agaccgccgt tntcattgag accctcaccg cccttnngnc cgaggnccgc 300
tggt 304
```

<210> 3069
 <211> 314
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3069

cgcangcacg cgtacgtaag ctcggaattc ggctcgaggc cgtcttcncc tggaagggtg 60
 agaccctcca ggagtactgg tgggtgcaccg agcgcgccct cgactggggc cccggtggtg 120
 gacccgacct catcgtcgaa cgacggtggt gacgctaccc ttctcatcca cgaaggcgctc 180
 aaggccgagg agctctatga gaagaccggc gaactccccg accccaactc caccgacaac 240
 gccgagtttc agatcgtgct taccatcatc agagatgggt tgaagaccga tcccaccagg 300
 taccgcaaga tgaa 314

<210> 3070
 <211> 299
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3070

gtcgcangca cgcgtacgta agctcggaat tcggctcgag agaaaatgaa gaacaatgcc 60
 attgtttgca acattggtca ctttgacaat gagatcgaca tgctggggct ggagaactac 120
 cccggcggtga ngcgcgatga ccatcaagcc ccaaaccgac agatgggtct tccccgagac 180
 caatgtcggc atcattgtct tggccgaggg tcgtttgatg aacttgggat gcgccacagg 240
 acaccctagt tttgtgatgt cctgctcctt caccaaccag gtcattgctc agcttgagt 299

<210> 3071
 <211> 302
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3071

aacgcangca cgcgtacgta agctcngaatt tcggctcgag gtttganaac ttgtacgggn 60
 gccgtcactc tctccctgat ggnctgatga gggctactgt ngatgatgatt gctggaaagg 120
 tggtgtgtgt ggctggatat ggtgatgttg gcaanggttg tgctgctgca ttgaagcagg 180

ctggtgctcg tgtcatcgtg actgagattg accccatttg tgcccttcag gctctcatgg 240
aaggccttca ggttctacct tggaggatgt tgtttctgag gctgatatct ttgtcaccac 300
ca 302

<210> 3072
<211> 289
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 3072

gtcgcangca cgcgtacgta agctcggaat tcggctcgag gggctctccc cgagaccaat 60
gtcggcatca ttgtcttggc cgaggggtcgt ttgatgaact tgggatgcnc cacaggacac 120
cctagttttg tgatgtcctg ccccttcacc aaccagggtca ttgctcagct tgagttgtgg 180
aaggagaaga gtaccggcaa gtacgagaag aaagtttacg ttttgcccaa gcaccttgat 240
gagaaggtgg ctgcncttca ccttggcaaa cttgnggcta agctcacca 289

<210> 3073
<211> 286
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 3073

gtcgcattgca cgcgtacgta agctcggaat tcggctcgag gtttgacaac ttgtacgggt 60
gccgtcactc tctccctgat ggtctgatga gggctactga tgtgatgatt gctggaaagg 120
tggctgttgt ggctggatat ggtgatgttg gcaaggggtg tgctgcncca ttgaagcngg 180
ctggtgctcg tgtcatcgtg actgagattg accccatttg tgcccttcag gctctcntgg 240
aaggccttca ggttctgacc ttggaggatg ttgtttctga ggctga 286

<210> 3074
<211> 285
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 3074

gtcgcangca cgcgtacgta agctcggaaat tcggctcgag gtaagatgaa ggagcgtctc 60
gttgggggttt ctgaggaaac caccactgga gttaagaggc tctatcagat gcaggcgaat 120
gggactcttc tcttccctgc tattaatgtc aatgactctg tcaccaagag caagtttgac 180
aacttgatat ggtgccgtca ctctctccct gatggtctca tgagggtac cgatgttatg 240
attgctggaa aggtggctgt tgtggctgga tatggtgatg ttggc 285

<210> 3075
<211> 300
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 3075

gtcncngcac gcgtacgtna gctcggaaatt cggctcgagg ncacgggtaa caaggacatc 60
atcatggttg accacatgaa gaaaatgaag aacaatgcc aattgttgcaa cattggtcac 120
tttgacaatg agatcgacat gctggggctg gagaactacc ccggcgtgan gcgcattcac 180
catcaagccc caaaccgaca gatgggtctt ccccgagacc aatgtcgga tcattgtctg 240
ggccgaggggt cgtttgatga antgggatgc gccacaggac accctagttt tgtgatgtcc 300

<210> 3076
<211> 264
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 3076

ccgaggtccg ctggtgctcc tgcaacatct tctccacca ggaccacgcc gccgccgcta 60
ttgcccgcna cagtgccgcc gtcttncct ggaagggatga gaccctccag gactactggt 120
ggtgcaccga gcgcgccctg cgactggggc cccgggtggtg gacccgacct catcgtcgan 180
nacggtggtg acgtaccct tctcatccag gaaggcgtca aggccgagga gctctatgag 240
aagaccggcg aactccccga ncct 264

<210> 3077
<211> 310
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3077

```

ngcangcacg cgtacgtaan ctcggaattc ggctcgagta gtcctgttat ttctcagcgc   60
gtaaagcatg gctttgttgg tggagaaaac cacgagtggg cgcgagtaca aggtcaanga  120
cctttcccag gccgacttcg gccgcctcga gatcgagctg gccgagggtg agatgcccgg  180
cctcatggcc tgtcggaccg agttcggccc ctcccagccc ttcaaggggg cccgcatcac  240
cggctccctc cacatgacca tcnantcaaa ngttctcatt gagaccctca ccgcccttgg  300
cgccgaggtc                                     310

```

<210> 3078
<211> 325
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3078

```

ncnatgcacg cgtacgtaag ctcggaattc ggctcgagct caccactccc tccactctct   60
ttctctagtc ctgttatttc tcagcgcgta aagcatggct ttgttggtgg agaaaaccac  120
gagtggtcgc gagtacaagg tcaaggacct ttcccaggcc gacttcggcc gcctcgagat  180
cgagctggcc gaggttgaga tgcccggcct catggcctgt cggaccgagt tcggcccctc  240
ccagcccttc aagggggccc gcatcaccgg ctccctccac atgaccatcc agancgccgt  300
tctcattgag accctcaccg ccctt                                     325

```

<210> 3079
<211> 307
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3079

```

gnantngtcg cacgcacgcg tacgtaagct cggaattcgg ctcgaggngg tttctgagga   60
aaccaccact ggagttaaga ggctctatca gatgcaggcg aatggnactc ttctcttccc  120
tgctattaat gtcaatgact ctgtcaccan gagcaagttt gacaacttgt atgggngccg  180
tcaactctctc cctgatggtc tcatganngc taccgatntt atgattgctg gaaaggtggc  240
tgttgtggcn ggatatggtg atgttggcan gggttgtgct gctncaatnn agcaggctgg  300

```

tgctcnc

307

<210> 3080

<211> 303

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 3080

nntncnanag tcgcatgcac gcgtacgtaa gctcggaatt cggctcgagt atttctcagc 60

gcgtaaagca tggctttggt ggtggagaaa accacgagtg gtcgcgagta caaggtaag 120

gacctttccc aggcgcgactt cggccgcctc gagatcgagc tggccgaggt tgagatgccc 180

ggcctcatgg cctgtcggac cgagttcggc cctcccagc cttcaaggg ggcccgcac 240

accggctccc tccacatgac catccaganc gccgttctca ttgagaccct caccgccctt 300

ggn 303

<210> 3081

<211> 293

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 3081

tcgcangcac gcgtacgtaa gctcggaatt cggctcgagg ttatttctca gcgcgtaaag 60

catggctttg ttggtggaga aaaccacgag tggctcgag tacaaggta aggacctttc 120

ccaggccgac ttcggccgcc tcgagatcga gctggccgag gttgagatgc ccggcctcat 180

ggcctgtcgg accgagttcg gcccctccca gcccttcaag ggggcccgca tcaccggctc 240

cctccacatg accatccaga ccgccgttct cattgagacc ctcaccgccc ttg 293

<210> 3082

<211> 309

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 3082

agtcgcatgt ntagtacgta agtcggaat tcggctcgag ctctagtcct gttatttctc 60

agcgcgtaaa gcatggcttt gttggtggag aaaaccacga gtggtcgcga gtacaaggtc 120
aaggaccttt cccaggccga cttcggccgc ctcgagatcg agctggccga ggtcgagatg 180
cccggcctca tggcctgttc ggaccgagtt cggccccctcc cagcccttca agggggcccg 240
catcaccggc tccctccaca tgaccatcca gaccgcggtt ctcattgaga ccctcaccgc 300
ccttggcgc 309

<210> 3083
<211> 295
<212> DNA
<213> Glycine max

<400> 3083

tcgcatgcac gcgtacgtaa gctcggaatt cggctcgagc tagtcctgtt atttctcagc 60
gcgtaaagca tggctttgtt ggtggagaaa accacgagtg gtcgcgagta caaggtcaag 120
gacctttccc aggccgactt cggccgcctc gagatcgagc tggccgaggt tgagatgccc 180
ggcctcatgg cctgtcggac cgagttcggc ccctcccagc ccttcaaggg ggcccgcac 240
accggctccc tccacatgac catccagacc gccgttctca ttgagaccct caccg 295

<210> 3084
<211> 303
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3084

gaangncaa tgcanctac gtaagctcgg aattcggctc gaggtcctgt tatttctcag 60
cgcgtaaagc atggctttgt tgggtggagaa aaccacgagt ggtcgcgagt acaaggtcaa 120
ggacctttcc caggccgact tcggccgcct cgagatcgag ctggccgagg ttgagatgcc 180
cggcctcatg gcctgtcgga ccgagttcgg cccctcccag cccttcaagg gggcccgcac 240
caccggctcc ctccacatga ccatccagan cnncttctc attgagaccc tcaccgcct 300
tgg 303

<210> 3085
<211> 293
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3085

```
gtcgcnnnga cgcgtacgta agctcggaat tcggctcgag tagtcctggt atttctcagc   60
gcgtaaagca tggctttggt ggtggagaaa accacgagtg gtcgcgagta caaggtaag   120
gacctttccc aggccgactt cggccgcctc gagatcgagc tggccgaggt tgagatgccc   180
ggcctcatgg cctgtcggac cgagttcggc ccctcccagc ctttcaaggg ggcccgcac   240
accggctccc tccacatgac catccagacc gccgtttctca ttgagaccct cac         293
```

<210> 3086
<211> 322
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3086

```
gtcgcntagn cncgtacgtn agctcggaat tnggctcgng ctcgagccgc ctcgagccgc   60
tcgagccggt cctgttattt ctgagcgcgt aaagcatgnc tttgttggtg gagaaaacca   120
cgagtggctg cgagtacaag gtcaaggacc tttcccaggc cgacttcggc cgcctcgaga   180
tcgagctggc cgaggttgag atgcccggcc tcatggcctg tcggaccgag ttcggccccct   240
cccagccctt caaggggggc cgcatacccg gtcctctcca catgaccatc cagancccg   300
ttctcattga gaccctcacc gc                                     322
```

<210> 3087
<211> 299
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3087

```
attcgcangc acgcgtacgt aagctcgga ttcggctcga gnatgtcctg ctccctcacc   60
aaccagggtca ttgtcagct tgagttgtgg aaggagaaga gtaccggcaa gtacgagaag   120
aaagtttacg ttttgcccaa gcaccttgat gagaagggtg ctgcacttca ccttggaaca   180
cttgagagcta agtcaccaa gcttagcccc gcccaggctg attacatcag tgtgcctggt   240
gaggggccat acaagcctgc tcattacagg tactaagtaa ttgagattat caacggaaa   299
```

<210> 3088
 <211> 321
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3088

gtcgcangca cgcgtacgta agctcggaat tnggctcgng ctcgagccgc tcgagccgct 60
 cgagccggtc ctgttatttc tcagcgcgta aagcatggnn ttggttgngg agaaaaccac 120
 gngtggtcgc gagtacaagg tcaaggacct ttcccaggcc gacttcggcc gcctcgagat 180
 cgagctggcc gaggttgaga tgcccggcct catggcctgt cggaccgagt tcggcccctc 240
 ccagcccttc aagggggccc gcatcacccg ctccctccac atgaccatcc agaccgccgt 300
 tctcattgag accctcaccg c 321

<210> 3089
 <211> 304
 <212> DNA
 <213> Glycine max

<400> 3089

tgcatagtcg catgcacgcg tacgtaagct cggaattcgg ctcgagtcta gtctgttat 60
 ttctcagcgc gtaaagcatg gctttgttgg tggagaaaac cacgagtggc cgcgagtaca 120
 aggtcaagga ctttcccag gccgacttcg gccgcctcga gatcgagctg gccgaggttg 180
 agatgcccg cctcatggcc tgtcggaccg agttcggccc ctcccagccc ttcaaggggg 240
 cccgcatcac cggctccctc cacatgacca tccagtcgcg cgttctcatt gagaccctca 300
 ccgc 304

<210> 3090
 <211> 318
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3090

tcncangcac gcgtacgtaa gctcggaatt cggctcgagc cactctcttt ctctagtctt 60
 gttatttctc agcgcgtaaa gcatggcttt gttggtggag aaaaccacga gtggtcgcga 120

gtacaaggctc aaggaccttt cccaggccga cttcggccgc ctcgagatcg agctggccga 180
 gggtgagatg cccggcctca tggcctgtcg gaccgagttc ggccccctccc agcccttcaa 240
 ggggggccgc atcaccgget ccctccacat gaccatccag accgcccgttc tcattgagac 300
 cctcaccctt tggcgccg 318

<210> 3091
 <211> 279
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 3091

gtcgcatgca cgcgtacgta agctcggaat tcggctcgag gaaaaccacg agtggtcgcg 60
 agtacaaggt caaggacctt tcccaggccg acttcggccg cctcgagatc gagctggccg 120
 aggttgagat gcccggcctc atggcctgtc ggaccgagtt cggccccctcc cagcccttca 180
 agggggcccg catcaccggc tccctccaca tgaccatcca gaccgcccgtt ctcattgaga 240
 ccctcaccgc ccttggcggn gacnncgggn nctnaaaaa 279

<210> 3092
 <211> 301
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 3092

gcacgcgtac gtaagctcgg aattcggctc gagnttctct agtcctgtta tttctcagcg 60
 cgtaaagcat ggctttgttg gtggagaaaa ccacgagtgg tcgcnagtac aaggtcaagg 120
 acctttccca ggccgacttc ngccgcctcg agatcgagct ggccgaggtt gagatgcccc 180
 gcctcatggc ctgtcggacc gagttcggcc cctcccagcc cttcaagggg gcccgcatca 240
 ccggtccctt ccanatgacc atccagaccg ccgttctcat tgagacnctc accgcccttg 300
 g 301

<210> 3093
 <211> 242
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 3093

```
aggacatcat catggttgac cacatgaaga aaatgaagaa caatgccatt gtttgcaaca   60
ttggtcactt tgacaatgag atcgacatgc tggggctgga gaactacccc ggcgtgangc  120
gcataccat caagcccaaa accgacagat ggggtctcccc gagaccaatg tcggcatcat  180
tgtctggccg agggctggtt gatgaacttg ggatgcgcca caggacaccc tagttttgtg  240
at                                                                 242
```

<210> 3094
<211> 303
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3094

```
nngcacgcgt acgtaagctc ggaattcggc tcgagctctc tttctctagt cctgttattt   60
ctcagcgcgt aaagcatggc tttgttggtg gagaaaacca cgagtggtcg cgagtacaag  120
gtcaaggacc tttcccaggc cgacttcggc cgctctgaga tcgagctggc cgaggctcag  180
atgcccggcc tcatggcctg tcggaccgag ttcggcccct cccagccctt caagggggcc  240
cgcatcaccg gctcctccac atgaccatcc agaccgccgt tctcattgag accctcaccg  300
ccc                                                                 303
```

<210> 3095
<211> 311
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3095

```
gtcgnngcac gcgtacgtaa gtcggaatt cggctcgaga gaccctccag gagtactggt   60
ggtgcaccga gcgcgccctc gactggggcc ccggtggtgg acccgacctc atcgtcgacg  120
acggtggtga cgtaccctt ctcatccacg aaggcgtcaa ggccgaggag ctctatgaga  180
agaccggcga actccccgac cccaactcca ccgacaacgc cgagtttcag atcgtgctta  240
ccattcatca gagatggggt gaagaccgat cccaccagtt accgcaagat gaaggagcgt  300
ctcgttgggg t                                                                 311
```

<210> 3096
 <211> 316
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3096

agnanatgaa gcgtacgtaa gctcgggaatt cggctcgagc tctagtcctg ttattttctca 60
 gcgcgtaaag catgggcttn ntgggtggag aaaaccacga gtggtcgcga gtacaaggctc 120
 aaggaccttt cccaggccga cttcgggccgc ctcgagatcg agctggccga ggttgagatg 180
 cccggcctca tggcntgtcg gaccgagttc ggccccctccc agcccttcaa gggggcccg 240
 atcaccggct cctccacnt gaccatccan anagnctct cattgagacc ctcaccgccc 300
 ttggcgccga ggtccg 316

<210> 3097
 <211> 309
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3097

ngcncgcgtn cgtnngctcg gnnttcggct cgagctcttt ctctngtctt gtnntttctc 60
 agcgcgtaan gcntggcttt gttgggtggag aaaaccacga gtggtcgcga gtncaaggctc 120
 naggnccttt cccaggccgn cttcgggccgc ctcgagatcg agctggccga ggttgagnng 180
 cccggcctca tggcctgtcg gaccgagttc ggccccctccc ancccttcaa gggggcccg 240
 atcaccggct cctccacat gacntccag accgcggttc tcattgagac cctcancgcc 300
 cttggcgcc 309

<210> 3098
 <211> 272
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3098

agtcgcangc acgcgtacgt aagctcgga ttcggctcga ggcaagatga aggagcgtct 60

cgttgggggtt tctgaggaaa ccaccactgg agttaagagg ctctatcaga tgcaggcgaa 120
 tgggactctt ctcttccctg ctattaatgt caatgactct gtcaccaaga gcaagtttga 180
 caacttgat ggggtccgct actctctccc tgatgggtctc atgagggcta ccgatgttat 240
 gattgctgga aaggtggctg ttgtggctgg at 272

<210> 3099
 <211> 339
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 3099

ctgtganttc tcagcgcgta aagcatggct ttgttggtgg agaaanccac gagtggtcgc 60
 gantacaang tgcaagganc tttcccaggc cgacttcggc ngntcgaga tcgagctggc 120
 cgaggttgag atgcccggcc tcatggcctg tcggncggag ttcggnccct cccagccctt 180
 caagggggcn cgcacaccg gntccctcca catgaccatc cagancgccg ttctcatttg 240
 agatcctnat cgcccttggn gccgnaggtc cgctgggtgct cctgnaacat cgtctccatc 300
 caggaccacg ccncngccgc tattgcccgg anagtgccg 339

<210> 3100
 <211> 262
 <212> DNA
 <213> Glycine max
 <400> 3100

gtcctgttat ttctcagcgc gtaaagcatg gctttgttgg tggagaaaac cagcagtggt 60
 cgcgagtaca aggtcaagga cctttcccag gccgacttcg gccgcctcga gatcgagctg 120
 gccgaggttg agatgcccgg cctcatggcc tgtcggaccg agttcggccc ctcccagccc 180
 ttcaaggggg cccgcatcac cggctccctc cacatgacca tccagctccg ccgttctcat 240
 tgagaccctc accgcccttg gc 262

<210> 3101
 <211> 276
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations

<400> 3101

gtcgcacatgca cgcgtacgta agctcggaat tcggctcgag ggttgctgctg ctgcattgaa 60
gcaggctggt gctcgtgtca tcgtgactga gattgacccc atttngggccc ttnaggttct 120
catggaaggc cttcagggtc tgaccttgga ggatggttgtt tctgaggctg atatctttgt 180
caccaccacg ggtaacaagg acatcatcat gggtgaccac atgaagaaaa tgangangan 240
tgccattggt tgcaacattg gtcactttga caatga 276

<210> 3102

<211> 296

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 3102

cgctcgcatgc acgcgtncgt nagctcgga ttcggctcga gctttctcta gtccgttnt 60
ttctcagcgc gtaaagcatg gcttnttgg tggagaaaac cagcagtggt cgcgagtaca 120
aggtaagga ctttccag gccgacttcg gccgcctcga gatcgagctg gccgaggttg 180
agatgcccgg cctcatggcc tgcggaccg agttcgcccc ctcccagccc ttcaaggggg 240
cccgcacac cggctccctc cacatgacca tccagaccgc cgttctcatt gagacc 296

<210> 3103

<211> 294

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 3103

tcgcangcac gcgtacgtaa agctcggaat tcnctcgag ngccgcac accggctccc 60
tttcacatga ccatccagac cgtgtcttc atcgagacc tcaccgtctt cggcgccgag 120
gttcgctggt gtcctgcaa catcttctcc actcaggacc acgccgccgc cgccatcgcc 180
cgtgacagcg ccgctgttt cgcctggaag ggtgagacc tccaggagta ctggtngtgc 240
accgagcncg cctcgtactg gggccccgc ggcggccccg acctcatcgt cgac 294

<210> 3104

<211> 291

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 3104

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tcgnnnngcac gcgtacgtaa gctcgggaatt cggctcgagc tagtcctggt atttctcagc 60
gcgtaaagca tggctttggt ggtggagaaa accacgagtg gtcgcgagta caaggtcaag 120
gacctttccc aggccgactt cgccncctc gagatcgagc tggccgaggt tgagatgcc 180
ggcctcatgg cctgtcggac cgagttcggc ccctcccagc cttcaaggg ggcccgcac 240
accggctccc tccacatgac catccagacc gccgttctca ttgagaccct c 291
```

<210> 3105

<211> 311

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 3105

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cgcangcacg cgtacgttag ctcggaattc ggctcgagnc ccgacctcat cgtcgacgac 60
ggtggtgacg ctacccttct catccacgaa ggcgtcaagg ccgaggagct ctatgagaag 120
accggcgaac tccccgacct caactccacc gacaacgccg agtttcagat cgtgcttacc 180
atcatcagag atggggtgaa gaccgatccc accagggtacc gcaagatgaa ggagcgtctc 240
gttgggggtt ctgaggaaac caccactgga gttaagaggc tctatcagat gcaggcgatt 300
gggcctttt t 311
```

<210> 3106

<211> 301

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 3106

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ngtcncatgc acgcgtacgt aagctcggaa ttcggctcga gctcagcgcg taaagcatgg 60
ctttgttggt ggagaaaacc acgagtgggtc gcgagtacaa ggtcaaggac ctttcccagg 120
ccgacttcgg ccgcctcgag atcgagctgg ccgagggtga gatgcccggc ctcatggcct 180
gttcggaccg agttcggccc ctcccagccc ttcaaggggg ccgcatcac cggctccctc 240
cacatgacca tccagaccgc cgttctcatt gagaccctca ccgccttgnc gccgagggtcc 300
```

g

301

<210> 3107
 <211> 291
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3107

cgcangcacg cgtacgtaag ctcggaattc ggctcgagga ggaaaccacc actggagtta 60
 agaggctcta tcagatgcag gcgaatggga ctcttctctt ccctgctatt aatgtcaatg 120
 actctgtcac caagagcaag ttgacaact tgtatgggtg ccgtcatctc tccctgatgg 180
 tctcatgagg gctaccgatg ttatgattgc tggaaagggtg gctgttgtgg ctggatatgg 240
 tgatgttggc aagggttgtg ctgctgcaat gangcagggtg gtccccgttc a 291

<210> 3108
 <211> 298
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3108

tttangcacg cntacgtaag ctcggaattc ggctcgagtc caggagtact ggtggtgcac 60
 cgagcgcgcc ctcgactggg gccccggtgg tggacccgac ctcatcgteg acgacggtgg 120
 tgacgctacc cttctcatcc acgaaggcgt caaggccgag gagctctatg agaaaccggc 180
 gaactccccg accccaactc caccgacaac gccgagattc agatcgtgct taccatcatc 240
 agagatgggt tgaagaccga tcccaccagg taccgcaaga tgaaggagcg tctcgttg 298

<210> 3109
 <211> 341
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3109

gtcgcntgaa gcgnangcac gcgtacgtaa gctcgggaatt cggctcgagg aaaatgaaga 60
 acaatgccat tgtttgcaac attggtcact ttgacaatga gatcgacatg ctgggggctgg 120

agaactaccc cggcgtgaag cgcataacca tcaagcccca aacngacaga tgggtcttcc 180
 ccgagaccaa tgtcggcatc attgtcttgg ccgagggctcg tttgatgaac ttgggatgcg 240
 ccacaggaca ccctagtttt gtgatgtctg tnccttcacc aaccagggtca tgctcagttg 300
 agttgtggaa angagaagag taccggcaag tacgagaagn a 341

<210> 3110
 <211> 279
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 3110

ngtcgcatgc acgcgtacgt aagctcggaa ttcggctcga gcggctcgag gcaacatctt 60
 ctccaccag gaccangccg ccgccgtat tgcccgcgac agtgcngccg tcttcgcctg 120
 gaaggggtgan accctccagg agtactggtg gtgcaccgag cgcgccctcg actggggccc 180
 cgggtggtgga cccgacctca tcgtcgacga cgggtggtgac gctacccttc tcatccacga 240
 aggcgtcaag gccgaggagc tctatnagaa gaccggcga 279

<210> 3111
 <211> 271
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 3111

ccaccangta ccgcaagatg aaggagcgtc tcgttgggggt ttctgaggaa accaccactg 60
 gtgttaanan gctatatcag atncaggcna atgggantct actcttcctt gctattaatg 120
 tcaatgactc tgttaccaag agcaagtttg acaacttgta cgggtgccgt cactctctcc 180
 ctgatggtct gatgagggtt actgatgtga tgattgctgg aaaggtggct gttgngggccc 240
 ggatanggtg atnttgga gggttgngcn c 271

<210> 3112
 <211> 293
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 3112

agtcgcangc acgcgtacgt aagctcggaa ttcggctcga gtctctagtc ctgttatttc 60
tcagcgcgta aagcatggct ttgttggtgg agaaaaccac gantggtcgc gagtacaagg 120
tcaaggacct ttcccaggcc gacttcggcn gcctcgagat cgagctggcc gaggttgaga 180
tgcccggcct catggcctgt cggaccgagt tcggcccctc ccagcccttc aagggggccc 240
gcatcaccgg ctccctccac atgaccatcc agaccgccgt tctcattgag acc 293

<210> 3113
<211> 301
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 3113

nngtcgcang cacgcgtacg taagctcggaa attcggctcg agtctttctc tagtcctggt 60
atttctcagc gcgtaaagca tggctttggt ggtggagaaa accacgagtn gtcgcgagta 120
caaggtcaag gacctttccc aggccgactt cggccgcctc gagatcgagc tggccgaggt 180
tgagatgccc ggcctcatgg cctgtcggac cgagttcggc ccctcccagc ccttcanggg 240
ggcccgcata accggctccc tccacatgac catccagacc gccgtttctca ttgagaccct 300
n 301

<210> 3114
<211> 283
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 3114

tcgcangcac gcgtaogtaa gctcgggaatt cggctcgagt nggccgcctc gagatcgagc 60
tggccgaggt tgagatgccg ggcctcatgg cctgccggac cgagttcggc ccatctccag 120
cccttcaagg gggcccgcac caccggcncc cttcacatga ccatcnagac cgctgtcctc 180
atcgagaccc tcaccgctct cggcgccgag gttcgctggt gctcctgcaa catcttctcc 240
actcaggacc acgccgccgc cgccatcgcc cgtgacagcg ccg 283

<210> 3115
<211> 313

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 3115

gtcgcangca cgcgtacgtn nagctcggaa ttcggctcga gctttctcta gtcctgttat 60
 ttctcagcgc gtaaagcatg gctttgtngg tggagaaaac cacgagtggc cgcgagtaca 120
 aggtcaagga cctttcccag gccgacttcg gccgcctcga gatcgagctg gccgagggtg 180
 anatgcccgg cctcatggcc tgcgggaccg agttcggccc ctcccagccc ttcaaggggg 240
 cccgcatcac cggctccctc cacatgccat ccagaccgcc gttctcattg anaccctnac 300
 ngcccttggg cga 313

<210> 3116
 <211> 305
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 3116

ncgtcgcatg cacgcgtacg tnagctcgga attcggctcg agctctttct ctagtcctgt 60
 tattttctcag cgcgtaaagc atggctttgt tgggtggagaa aaccacgagt ggtcgcgagt 120
 acaaggncna ggacctttcc caggccgact tcggccgcct cgagatcgag ctggccgagg 180
 ttgagatgcc cggcctcatg gcctgtcgga ccgagttcgg cccctcccag cccttcaagg 240
 gggcccgcac caccggctcc ctccacatga ccattccagan cgccgttctc attgagacct 300
 caccg 305

<210> 3117
 <211> 279
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 3117

gtcgcangca cgcgtacgta agctcggaat tcggctcgag gttatttctc agcgcgtaaa 60
 gcatggcttt gttggtggag aaaaccacga gtggtcgcga gtacaaggtc aaggaccttt 120
 cccaggccga cttcggccgc ctcgagatcg agctggccga ggttgagatg cccggcctca 180

tggcctgtcg gaccgagttc ggcccctccc agcccttcaa gggggcccg atcaccggct 240
ccctccacat gaccatccag acagccgttc tcattgaga 279

<210> 3118
<211> 301
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 3118

agtcgcangc acgcgtacgt aagctcggaa ttcggctcga gntagtcctg ttattttctca 60
gcgcgtaaag catggctttg ttggtggaga aaaccacgag tggcgcgca gtacaaggctc 120
aaggaccttt cccaggccga cttcggccgc ctcgagatcg agctggccga ggttgagatg 180
cccggcctca tggcctgtcg gaccgagttc ggcccctccc agcccttcaa gggggcccg 240
atcaccggct ccctccacat gaccatccag accgccgttc tcattgagac cctcaccgcc 300
c 301

<210> 3119
<211> 322
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 3119

ngatgntgcn nncgcccgn agatcggaaa tncgggctcg agctgtgacc tntcaggatc 60
tcanggnagg ccttcaggnt ctgacctng aggatgttng ttctgaggct gatatcngtg 120
tcaccancca ncgtaacaa ggacatcatc atggttgacc acatgangan aatgaagaac 180
aatgccattg ttgcaacat tggtcatttg acaatgagat cgacatgctt gggctggaga 240
actaccccg cgtaagcgc atcaccatca agcccaaac tgacagatgg gtcttccctg 300
agaccaaacac cggatcatgt ct 322

<210> 3120
<211> 293
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 3120

gtcgcangca cgcgtacgta agctcggaaat tcggctcgag ctctttctct agtcctgtta 60
 tttctcagcg cgtaaagcat ggctttgttg gtggagaaaa ccacgagtgg tcgcgagtac 120
 aaggtcaagg acctttccca ggccgacttc ggccgcctcg agatcgagct ggccgaggtt 180
 gagatgnccg gcctcatggc ctgtcggacc gagttcggcc cctcccagcc cttcaagggg 240
 gcccgcatca ccggtccct ccacatgacc atccagatcg ccgttctcat tga 293

<210> 3121
 <211> 313
 <212> DNA
 <213> Glycine max

<400> 3121

ttcatgcacg cgtacgtaag ctcggaattc ggctcgagga gagagagaga gatctatcta 60
 tctatcaaga tggcgttggt ggttgagaaa acaagcagtg gaagggagta caaggtgaag 120
 gacatgacgc aagccgattt cggaagattg gaaatcgagc tggcggaggt tgaaatgccc 180
 ggctcatgt cctccgcac cgagttcggc ccctctcaac ctttcaaggg cgctaggatc 240
 accggtccc tccacatgac catccaaacc gccgtcctca tcgagaccct caccgccctc 300
 ggcgccgagg tcc 313

<210> 3122
 <211> 315
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3122

nngatgnacg cgtacgtnag ctcggaattc ggctcgagct ctttctctag tcctgttatt 60
 tctcagcgcg taaagcatgg ctttggttgg ggagaaaacc acgagtggc gcgagtacaa 120
 ggtcaaggac ctttcccagg cngacttcgg ccgcctcgag agcgagctgg ccgaggttga 180
 gatgcccggc ctcatggcct gtcggaccga gttcggcccc tcccagccct tcaagggggc 240
 ccgcatcacc ggctccctcc antgaccatc cagttccgcc gttctcattg agaccctcac 300
 cgcccttggc gccga 315

<210> 3123

<211> 297
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3123

aanagcatgc acgcgtacgt aagctcggaa ttcggctcga gccactctct ttctctagtc 60
 ctgttatttc tcagcgcgta aagcatggct ttgttggtgg agaaaaccac gagtggctgc 120
 gagtacaagg tcaaggacct ttcccaggcc gacttcggcc gcctcgagat cgagctggcc 180
 gaggttgaga tgcccggcct catggcctgt cggaccgagt tcggcccctc ccagcccttc 240
 aagggggccc gcatcaccgg ctccctccac atgaccatcc agaccgccgt tctcatt 297

<210> 3124
 <211> 290
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3124

gtcgcangca cgcgtacgta agctcggaa ttcggctcga ctctttctct agtcctgtta 60
 tttctcagcg cgtaaagcat ggctttgttg gtggagaaaa ccacgagtgg tcgcgagtac 120
 aaggtcaagg acctttccca ggccgacttc ggccgcctcg agatcgagct ggccgaggtt 180
 gagatgcccg gcctcatggc ctgtcggacc gagttcggcc cctcccagcc cttcaagggg 240
 gccgcgcatca ccggctccct ccacatgacc atccagaccg ccgttctcat 290

<210> 3125
 <211> 273
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3125

angtcgcang cacgcgtacg tnagctcggaa attcggctcg agagaaaatg aagaacaatg 60
 ccattgtttt caacattggc cactttgaca atgagatcga catgctgggg ctgganaact 120
 accccggcgt gangcgcac accatcaagc cccaaaccga cagatggtct tccccgagac 180
 caatgtcggc atcattgtct tggccgaggg tcgtttgatg aacttgggat gcgccacagg 240
 acaccctagt tttntgatgn cctgtcctt cac 273

<210> 3126
 <211> 289
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3126

ctnccgancg nccgctacgt aagctcggaa ttcggctcga gctctttctc tagtcctgtt 60
 atttctcagc gcgtaaagca tggctntggt ggtggagaaa accacgagtg gtcgcgngta 120
 caaggtaag gacctttccc aggccgactt cggccgctc gagatcgagc tggccgaggt 180
 tgagatgcc ggccatcatg cctgtcggac cgagttcggc cctcccagc cttcaaggg 240
 ggcccgcatc accggctccc tccacatgac catccaganc gccgttctc 289

<210> 3127
 <211> 310
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3127

anncacgcgt acgtaagctc ngaattcggc tcgagctctt tctctagtcc tgtnatttcn 60
 cancgngtaa agcatggctt tnttggtgga gaaaaccacg agtngtcgcn agtacaatgt 120
 caaggacctt tcccaggccg acttcggncg cctngagatc ganctggccg aggttganan 180
 gcacggctc atggcctgtc ggaccgagtt cngccccctc cancccttca agggggcccc 240
 catcacggc tccctccaca tgaccatcca gaccggcggt ctcattgaga cctcaccgn 300
 cttggcgccg 310

<210> 3128
 <211> 292
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3128

agtcgcangc acgcgtacgt aagctcggaa ttcggctcga ggcgccctcg actggggccc 60
 cggtggtgga cccgacctca tcgtcgacga cgggtgtgac gctacccttc tcatccacga 120

aggcgtcaag gccgaggagc tctatgagaa gaccggcgaa ctccccgacc ccaactccac 180
cgacaacgcc gagtttcaga tcgtgcttac catcatcaga gatgggttga agaccgatcc 240
caccaggtac cgcaagatga aggagcgtct cgttgggggtt tctgaggaaa cc 292

<210> 3129
<211> 299
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 3129

nnngtatgca cgcgtacgta agctcggaat tcggctcgag ctttctctag tcctgttatt 60
tctcagcgcg taaagcatgg ctttggttgg ggagaaaacc acncgtggtg cgcgagtaca 120
aggtcaagga cctttcccag gccgacttcg gccgcctcga gatcgagctg gccgaggttg 180
agatgcccgg cctcatggcc tgtcggaccg agttcggccc ctcccagccc ttcaaggggg 240
cccgcatac cggtccctc cacatgacca tccagancgc cgttctcatt gagaccctc 299

<210> 3130
<211> 325
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 3130

aaaaaagnaa ngtcgcatgc acgcgtacgt aagctcgga ttcggctcga gtcctgttat 60
ttctcagcgc gtaaagcatg gctttgttgg tggagaaaac cacgagtggc ccgcgagtac 120
aaggtcaagg acctttccca ggccgacttc ggccgcctcg agatcgagct ggccgaggtt 180
gagatgcccg gcctcatggc ctgtcggacc gagttcggcc cctcccagcc cttcaagggg 240
gcccgcata ccggtccct ccacatgacc atccagaccg ccgttctcat tgagacctca 300
ccgccttggc gccgaggtcg ctnnn 325

<210> 3131
<211> 273
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 3131

aacgcgtang taagctcgga attcggctcg agnttttctca gcgcgtaaag catggctttg 60
 ttggtggaga aaaccacgag tggtcgagag tacaagggtca aggacctttc ccaggccgac 120
 ttcggccgcc tcgagatcga gctggccgag gttnagatgc nccgcctcat ggcctgtcgg 180
 accgagttcg gnnccncca gcccttcaag ggggcncgca tcancggntc cctccacatg 240
 accatcnagn ccgccgttct cattgagacc etc 273

<210> 3132
 <211> 286
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 3132

gtcgcangca cgcgtacgta agctcggaat tcggctcgag ctcttttctct agtcctgtta 60
 tttctcagcg cgtaaagcat ggctttgttg gtggagaaaa ccacgagtgg tcgcgagtac 120
 aagggtcaagg acctttccca ggccgacttc ggccgcctcg agatcgagct ggccgagggtt 180
 gagangcccg gcctcatggc ctgtcggacc gagttcggcc cctcccagcc cttcaagggg 240
 gcccgcatca ccggctccct ccacatgacc atccagaccg ccgttc 286

<210> 3133
 <211> 288
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 3133

gtcgcangca cgcgtacgta agctcggaat tcggctcgag ctcttttctct agtcctgtta 60
 tttctcagcg cgtaaagcat ggctttgttg gtggagaaaa ccacgagtgg tcgcgagtac 120
 aagggtcaagg acctttccca ggccgacttc ggccgcctcg agatcgagct ggccgagggtt 180
 gagangcccg gcctcatggc ctgtcggacc gagttcggcc cctcccagcc cttcaagggg 240
 gcccgcatca ccggctccct ccacatgacc atccagatcg ccgttctc 288

<210> 3134
 <211> 289
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3134

tcgcangcan gcacgcgtac gtaagctcgg aattcggctc gaggttattt ctcagcgcgt 60
 aaagcatggc tttgttggtg gagaaaacca cgagtggctg cgagtacaag gtcaaggacc 120
 tttcccaggc cgacttcggc cgctctgaga tcgagctggc cgagggttgag atgcccggcc 180
 tcatggcctg tcggaccgag ttcggcccct cccagccctt caagggggcc cgcataccg 240
 gctccctcca natgaccatn cagaccgccc tccctcattg agaccctca 289

<210> 3135
 <211> 289
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3135

nacgtcgcac gcacgcgtac gtaagctcgg aattcggctc gaggtcgcac acggtggtga 60
 cgctaccctt ctcataccag aaggcgtcaa ggccgaggag ctctatgaga agaccggcga 120
 actccccgac cccaactcca ccgacaacgc cgagtttcag atcgtgctta ccatcatcag 180
 agatggggtg aagaccgatc ccaccaggta ccgcaagatg aaggagcgtc tcgttggggg 240
 ttctgaggaa accaccactg gagttaagag gctctatcag atgcaggcg 289

<210> 3136
 <211> 281
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3136

tcgcatgcac gcgtacgtaa gctcgggaatt cggctcgagc tagtcctgtt atttctcagc 60
 gcgnaaagca tggctttgtt ggtggagaaa accacgagtg gtcgcgagta caagggtcaag 120
 gacctttccc agnccgactt cggccgcctc gagatcgagc tggccgaggt tgagatgccc 180
 ggctcatgg cctgtcggac cgagttcggc cctcccagc ccttcaaggg ggcccgcac 240
 accggctccc tccacatgac catccatgac accgttctca t 281

<210> 3137

<211> 301
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3137

```
gtcgcgtgcac gcgtacgtaa gctcggaatt cggctcgagc tagttttgtg atgtcctgct 60
cnttcaccan nccaggatcat tgctcagctt gagttgtgga aggagaagag taccggcaag 120
tacgagaaga aagtttacgt ttgcccgaag caccttgatg agaagggtggc tgcacttcac 180
cttggcaaan ttggagctaa gctcaccaag cttagcccgg cccagggtga ttacatcagt 240
gtgcctgttg aggggtccata caagcctgct cattacaggt actaagtaat tgagattatc 300
a 301
```

<210> 3138
 <211> 286
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3138

```
acgtcgcatg cacgcgtacg taagctcgga attcggctcg agctttctct agtcctgtta 60
tntctcagcg cgtaaagcat ggctttgttg gtggagaaaa ccacgagtgg tcgcgagtac 120
aagggtcaagg acctttccca ggccgacttc ggccgcctcg agatcgagct ggccgagggt 180
gagatgcccc gctcatggn ctgtcggacc gagttcggcc cctcccagcc cttcaagggg 240
gnccgcatca ccggtccct ccacatgacc atccagancg ccgtn 286
```

<210> 3139
 <211> 270
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3139

```
ngatcgcntn aagtcgcang cacgcgtacg tangctcggg aattcggctc gagntgacaa 60
cttgtaacng tgccgtcact ctctccctga nggtctgatg agggctactg atgtgatgat 120
tgctggaaag gtggctgttg tggctggata tggatgatgt ggcaagggtt gtgctgctgc 180
attgaagcag gctggtgctc gtgtcatcgt gactgagatt gaccccatth gtgcccttca 240
```

ggctctcatg gaaggcctca gttctgacct

270

<210> 3140

<211> 298

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 3140

ncgattgcac gcgtacgtna gctcggaatt cggctcgagn ngagaccctc caggagtact 60

ggtggtgcac cgagcgcgcc ctacgactgg ggccccggtg gtggacccga cctcatcgtc 120

gacgacggtg angacgctac ctttctcatc cacgaaggcg tcaaggccga ggantctatg 180

agacgaccgg cgaactcccc gaccccaact ccaccgacaa cgccgagttt cagatcgtgc 240

ttaccatcat cnganatggg ttgaagaccg atcccaccag gtaccgcaag atgaagga 298

<210> 3141

<211> 334

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 3141

gangacgcgt acgttagctc ggaattccgc tcgagctcga gccggggaaa ccaacactgg 60

agttaagagg ctctatcaga tgcnaggcga atgggattcc tctcttcng ntaataaatg 120

tcaatgactc ntgtcaccan gagcnagttt gacaacttgt atgggtgccg tncactctct 180

ccctgatggt ctcatgaggg ctaccgatgt tatgattgct ggaaaggtgg ctgttgtngc 240

tggatatggt gatgttgga anggttggtg tgctgcaatg naggaggctg gtgctcgtgt 300

catcgtgnac gagattgate ccatctgtgc cctc 334

<210> 3142

<211> 266

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 3142

ctctctttct ctagtctgt tatttctcan cgcgtanagc atggctttgt tggaggagaa 60

aaccacgagt ggtcgcgagt acaagggtcaa ggacctttcc caggccgact tcggccgcct 120
cgagatcgag ctggccgagg ttgagatgcc cggcctcatg gcctgtcgga ccgagttcgg 180
cccctcccag cccttcaagg gggcccgcac caccggctcc ctccacatna cnaanaaatn 240
ncnaantctc attgagaccc tcancg 266

<210> 3143
<211> 288
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 3143

ntgcncnngt acgtaagctc ggaattcggc tcgagctctt tctctagtcc tgttatttct 60
cagcgcgtaa agcatggctt tgttggtgga gaaaaccacg agtggtcgag agtacaaggt 120
caaggacctt tcccaggccg acttcggccg cctcgagatc gagctggccg aggttgagat 180
gcccggcctc atggcctgtc ggaccgagtt cggccctcc cagcccttca aggggggccc 240
catcacgggc tccctccaca tgaccatcca ganncgccgt tctcattg 288

<210> 3144
<211> 308
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 3144

ncacgcgtac gtnagctcgg aattcggctc gagcctcgac gacggtggtg acgctaccct 60
tctcatccac gaaggcgtca aggccgagga gctctatgag aagaccggcg aactccccga 120
ccccaactcc accgacaacg ccgagtttca gatcgtgctt ancatcatca gagatgggtt 180
gaagaccgat cccaccaggt ancgcaagat gaaggagcgt ctcgttgggg tttctgagga 240
aaccaccatt ggagttaaga ggntctatca gatgcaggcg aatgggatct tctcttcctt 300
gctattaa 308

<210> 3145
<211> 279
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3145

```
nntcgcatgc acgcgtacgt aagctcggaa ttcggctcga gctctttctc tagtcctgtt   60
atttctcagc gcgtaaagca tggctttgtt ggtggagaaa accacgagtg gtcgcgagta  120
caaggtcaag gacctttccc aggccgactt cggccgcctc gagatcgagc tggccgaggt  180
tgagatgccc ggcctcatgg cctgtcggac cgagttcggc ccctcccagc ctttcaaggg  240
ggcccgcatc accggctccc tccacatgac catccagac                               279
```

<210> 3146
<211> 296
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3146

```
cgtcgcangc acgcgtacgt nagctcggaa ttcggctcga gngcgacgcc accctcctca   60
tccacgaggg cgtcaaggcc gaggagctct atgagaagac cggggaactc cccgacccta  120
actccactga caacgccgag ntccagatcg tgcttaccat catcagagat gggttgaaga  180
ccgatcccac caggtaccgc aagatgaagg agcgtctcgt tggggtttct gaggaaacca  240
ccaactggtg taagaggcta tatcagatgc aggcgaatgg gactctactc ttccct       296
```

<210> 3147
<211> 287
<212> DNA
<213> Glycine max

<400> 3147

```
gtcgcatgca cgcgtacgta agctcggaa ttcggctcga cgtaaagcat ggctttgttg   60
gtggagaaaa ccacgagtgg tcgcgagtta caaggtcaag gacctttccc aggccgactt  120
cggccgcctc gagatcgagc tggccgaggt tgagatgccc ggcctcaggc ctgttcggac  180
cgagttcggc ccctcccagc ctttcaaggg ggcccgcatc accggctccc tccacatgac  240
catccagacc gccgtttctc tgagaccctc accgcccttg gcgccga                               287
```

<210> 3148
<211> 275
<212> DNA

<213> Glycine max
 <223> unsure at all n locations
 <400> 3148

gtcgcangca cgcgtacgta agctcggaat tcggctcgag ctctttctct agtcctgtta 60
 tttctcagcg cgtaaagcat ggctttgttg gtggagaaaa ccacgagtgg tcgcgagtac 120
 aaggtcaagg acctttccca ggccgacttc ggccgcctcg agatcgagct ggccgaggtt 180
 gagatgcccg gcctcatggc ctgtcggacc gagttcggcc cctcccagcc cttcaagggg 240
 gcccgcatca ccggtccct ccacatgacc atcca 275

<210> 3149
 <211> 239
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 3149

atcgtagta agctcggaat tcggctcgag cttcaccaac caggtcattg ctcagnttga 60
 gttgtggatg gagaagagta ccggcaagta cgagaagaag gtttacgttt tgcccaagca 120
 cttgatgag aaggtggctg cacttcacct gggcaaactt ggngctaagc tgaccagct 180
 tagcaagtcc caggctgatt acatcagtg gctgttgag ggtccataca agcctgctc 239

<210> 3150
 <211> 270
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 3150

gtcgcangca cgcgtacgta agctcggaat tcggctcgag ctctctctag tcctgttatt 60
 tctcagcgcg taaagcatgg ctttggttgg ggagaaaacc acgagtggc gcgagtacaa 120
 ggtcaaggac ctttcccagg ccgacttcgg ccgcctcgag atcgagctgg ccgaggttga 180
 gatgcccggc ctcatggcct gtcggaccga gttcggcccc tcccagccct tcaagggggc 240
 ccgcatcacc ggctccctcc acatgacat 270

<210> 3151
 <211> 290

<212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3151

```
gtcgcangca cgcgtacgta agctcgggaa ttcggctcga ggtaaagcat ggctttgttg 60
gtggagaaaa ccacgagtgg tcgcgagtac aagggtcaagg acctttccca ggccgacttc 120
ggccgcctcg agatcgagct ggccgaggtt gagatgcccg gcctcatggc ctgtcggacc 180
gagttcggcc cctcccagcc cttcaagggg gcccgcatca ccggctccct ccacatnaca 240
nnnnacngaa aaatgctcat tgagaccctt caccgccnnt gggggcgngg 290
```

<210> 3152
 <211> 310
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3152

```
agcannagnt cnngangcgt acgtaagtcg ganttcggct cgagntcttt ctctagtent 60
gttattttctc agcggcgtaa agcatgggtt tgttgatgga gnaaaccaac gagtcgttng 120
cgagtacaag gtcaaggacc tttcccaggc cgacttcggc cgctctgaga tcgagctggc 180
cgaggttgag atgcccggcc tcatggcctg tcggancgag ttcggccctt cccagccctt 240
caagggggcc cgcatcaccg gctccctcca natgaccatc cagaccgccg ttctcattga 300
gagctcacgc 310
```

<210> 3153
 <211> 277
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3153

```
gtcgcangca cgcgtacgta agctcggaat tcggctcgag ctagtcctgt tattttctcag 60
cgcgtaaagc atggctttgt tgggtggagaa aaccacnagt ggtacgcgag tacaagggtca 120
aggacctttc ccaggccgac ttcggccgcc tcgagatcga gctggccgag gttgagatgc 180
ccggcctcat ggctgtcgg accgagttcg gccctccca gcccttcaag ggggcccgcga 240
```

tcaccggctc cctccacatg accatccaga ccgccgt

277

<210> 3154

<211> 298

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 3154

gcangcacgc gtacgtaagc tcggaattcg gctcgagctc tctttctcta gtcctgttat 60

ttctcagcgc gtaaagcatg gctttgttgg tggagaaaac cacgagtggc cgcgagtaca 120

aggtaagga cctttcccag gccgacttcg gcgcctcga gatcgagctg gccgaggttg 180

agatgcccg cctcatggcc tntcggaccg agttngggcc cgnccagccc gtnaaggggg 240

cccgcacnc cggcgctcgc nacaggatca nccagaccgc cgttctcagt ganacccc 298

<210> 3155

<211> 318

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 3155

ngtcgcatgc acgcgtacgt aagctcggna attnnngctc gagctcgagc cgctncgagc 60

cgtccactc tctttctcta gtcctgttat ttctcagcgc gtaaancatg gctnanttgg 120

tggagaaaac cacgagtggc cgnagtaca aggtcaagga cctttcccag gccgacttcg 180

gcgcctcga atcgagctgg ccgnggttga gatgcccgcc ctcatggcct gtnccgaccg 240

agttcggccc ctccagccc ttcaaggggg cccgcacac cggtccctc cacatgacca 300

tccagaccgc cgttctca 318

<210> 3156

<211> 318

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 3156

cactctcttt ctctagtcct gttatttctc agcgcgtaaa gcatggcttt gttgggtggag 60

aaaaccacga gtggtcgcga gtacaaggctc aaggaccttt cccaggccga cttcggccgc 120

ctcgagatcg agctggccga ggttgagatc ccggcctcat ggctgtngg accgagttcg 180
gccctcccag ccctcaaggg ggcccgcac accggctccc tccacatgac catccagacc 240
gccgtttctca ttgagacctc acngccttgg gccgagtcgg ttggtgctct gaaanatttc 300
tcaaccaagg acaagcng 318

<210> 3157
<211> 292
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 3157

gttgacgcg tacgtaagct cggaattcgg ctcgagctct ctttctctag tctgttatt 60
tctcngcgcg taaagcatgg ctttgttggg ggagaaaacc angagtgggc gcgagtacaa 120
ggtcaaggac gtttcccagg ccgacttcgg ccgcctcgag atcgagctgg ccgngggtga 180
gatgcccggc ctcattggcct gtcggaccga gttcggcccc tcccagccct tcaagggggc 240
ccgcatcacc ggctccctcc acatnacann cgacngcanc gttctcattg an 292

<210> 3158
<211> 278
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 3158

tcgcangcac gcgtacgtna gtcggaatt ccgctcgagn tttctctagt cctgttattt 60
ctcagcgcgt aaagcatggc tttgttggtg gagaaaacca cgagtgggctg cgagtacaag 120
gtcaaggacc tttcccaggc cgacttcggc ccgcctcgaga tcgagctggc cgaggttgag 180
atgcccggcc tcatggcctg tcggaccgag ttcggcccct cccagccctt caagggggcc 240
cgcatcacgg gctccctcca catggaccat ccagaccg 278

<210> 3159
<211> 332
<212> DNA
<213> Glycine max
<223> unsure at all n locations

<400> 3159

acacccncct accacgccan cgnaagctcg gaattnggct cgagattcac caaccaggt 60
cattgctcag ttgagttgtg gaaggagnag agtaccggca agtacgagaa gaaggtttac 120
gttttgcnca agcaccttga tgagaaggtg gctgcactta acctgggcaa acttgnagct 180
aagctgaccc agcttagcaa gtnccaggnt gattacatca gtgtgcctgt tgagggtcca 240
tacaagcctg ctcantacag gtacnnnctn atnnngatga tcaactgnaa agtgagtgag 300
ggaaagacaa aaatgggttt tatnaatngg at 332

<210> 3160

<211> 288

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 3160

tcgcangcac gcgtacgtaa gctcggaatt cggctcgagc tctttctcta gtcctgttat 60
ttctcagcgc gtaaagcatg gctttgttgg tggagaaaac cagagtggt cgcgagtaca 120
aggtcaagga ctttccag gccgacttcg gccgcctcga gatcgagtgg ccgaggttga 180
gatgcccggc ctcatggcct ntcggaccga gttcggcccc tcccagccct tcaagggggc 240
ccgcatcacc ggctccctcc acatgaccat ccagnngccg ttctcatt 288

<210> 3161

<211> 282

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 3161

tcgcatgcac gcgtacgtaa gctcggaatt cggctcgagc tctttctcta gtcctgttat 60
ttctcagcgc gtaaagcatg gctttgttgg tggagataac cacnctggt ccncgagtac 120
aaggtcaagg acctttccca ngccgacttc ggccgcctcg agatcgagct ggccgaggtt 180
gagatgcncg gcctcatggc ctgtcggacc gagttcggcc cctcccagcc cttcaagggg 240
gcccgcacatca ccgntccct ccacatganc atccagaccg cc 282

<210> 3162

<211> 318
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3162

cgcacgncgc gaacnnnagc ncgcgaattc ggntcgagng ngcccnegac tggggccccg 60
 gtggtggaca ccgacctcat cgtcgacgac ggtggtgang nnacnctnct catccacnaa 120
 ggcgtcaang ccnaggagcn cnatgagaag accggcgaaan tcnccgannc caactccacc 180
 ganaacgccg agctgcagat cgngcttacc atcancagag angggttgaa gaccganccc 240
 atnaggnanc gcaagatgaa ggagcgtctc gttggggtnct ctgaggnnac cancactgga 300
 gttaagaggc tcnatcag 318

<210> 3163
 <211> 319
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3163

gtcgcangca cgcgtacgta agctcggaat tcggctcgag acggctgcga gaagacgaca 60
 gaaggctcag cttgagttgt ggaaggagaa gaggaccggc aagtagcaga agaaagttta 120
 cgttttgccc aagcaccttg atgagaaggt ggctgcactt caccttggca aacttggagc 180
 taagctcacc aagcttagcc cggcccaggc tgattacatc agtgtgcctg ttgaggggtcc 240
 ataaagcctg ctcattacag gtactaagta attgagatta tcaacggaaa gtgagggaaa 300
 gacaaaatcg gttttatga 319

<210> 3164
 <211> 294
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3164

tcgcangcac gentacgtaa gctcggaatt cggctcgagc ggaaagttag ggaaagacaa 60
 aatcggtttt atgaatcgga ttgattgttt aattttcctt tgataatctc aattacttag 120
 tacctgtaat gagcaggctt gtatggaccc tcaacaggca cactgatgta atcagcctgg 180

gccgggctaa gcttgggtgag cttagctcca agtttgccaa ggtgaagtgc agccaccttc 240
 tcatcaaggt gcttgggcaa aacgtaaact ttcttctcgt acttgccggt actc 294

<210> 3165
 <211> 294
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 3165

nncgcatgca cgcgtacgta agctcgggaa ttcgggctcg agctctttct ctagtcctgt 60
 tattttctcag cgcgtaaagc atgggctttg ttgggtggaga aaaccacgag tggtcgcgat 120
 acaaggtcaa ggacctttcc caggccgact tcggccgcct cgagatcgag ctggccgagg 180
 ttgagatgcc cggcctcatg gcctgtncgg accgagttcg gcccctccca gcccttcaag 240
 ggggcccgcga tcaccggctn cccttcacaca tgaccatcca gaccgccgtt ctca 294

<210> 3166
 <211> 204
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 3166

cgtcgcangc acgcgtacgt aagctcggaa ttcggctcga ggtttctgag gaaaccacca 60
 ctggagttaa gaggctctat cagatgcagg cgaatgggac tcttctcttc cctgctatta 120
 atgtcaatga ctctgtcacc aagagcaagt ttgacaactt gtatgggtgc cgtcactctc 180
 tccctgatgg tctcatgagg gcta 204

<210> 3167
 <211> 203
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 3167

gtcgcangca cgcgtacgta agctcggaat tcggctcgag gtcaccaaga gcaagtttga 60
 caacttgat gggtgccgtc actctctccc tgatgggtctc atgagggcta ccgatgttat 120

gattgctgga aaggtggctg ttgtggctgg atatggtgat gttggcaagg gttgtgctgc 180
 tgcaatgaag caggctggtg ctc 203

<210> 3168
 <211> 266
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 3168

gcaagtacga gaagaaagtt tacgttttgc ccaagcacct tgatgagaag gtggctgcac 60
 ttcaccttgg caaacttggg gctaagctca ccaagcttag cccggcccag gctgattaca 120
 tcagtgtgcc tgttgagggt ccatacaagc ctgctcatta caggactactaa gtaattgaga 180
 ttatcaacgg aaagtgaggg aaagacaaaa tcggntttat gaatcggatt gattgtttaa 240
 ttttcctttt tttgaatttt tgttgt 266

<210> 3169
 <211> 326
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 3169

ntctnntgna ngcgtacgta agctcggaat tnnngctcgag ntcgagcngc gccgtcttcn 60
 anntggacag ggtgagaccc tccagganct actggtggtg caccgngcgc gccctcgact 120
 ggggccccgg tgggtggaccc gacctcatcg tnnacgacgg tgggtgacgt acccttctca 180
 tccacgaagg cgtcaaggcc gaggagctct ntgagaagac cggcgaattc ccgancccaa 240
 ntccaccgac aagccggant ttcagatcgt gnttancatc atcagagatg gttgaagacc 300
 gttccaacca ggttacngca gatgaa 326

<210> 3170
 <211> 315
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 3170

natcgatgca cgcgtacgta agctcggnat tcggctcgan ctcgagccga atcggctcga 60

gggttgacca catgaagatn atganganca atgcnattgt anncaacatt ggnncacttt 120
 natcatnagn tcgacatnct nggggtggag nactaccccg gcgtgangcg catccacat 180
 caagcccaa accgacagat gggtcancnc cgagaccaat gtcggcatca ttgtcttggc 240
 cgagggctgt ttgatgaact tgggatgcgc cacaggacac cctagttttg tgatgtctgt 300
 cctcacnaac caggt 315

<210> 3171
 <211> 274
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 3171

ncgcgtgnac gcgtacgtaa gctcggaatt cggctcgagg ttctctcacc actccctcca 60
 ttctctttct ctagtcctgt tatttctcag cgcgtaaaagc atggctttgt tgtcnggaga 120
 anaccacgag tggtcgagag tacaaggatc aggacctttc ccaggccgac ttcgcccgcc 180
 tcgagatcga gctggccgag gttgngatgc ccggcctcat ggcntgtcgg accgagttcg 240
 gcccctcca gcccttcaag ggggcccgcgca tcac 274

<210> 3172
 <211> 282
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 3172

gtcgcangca cgcgtncgga ngcacgctcn ctttgctcta gtgcctgtta tttctcancn 60
 cgtaaagcat ggctttgttg gtggagaaaa ccacnagtgg tgcgcgagta canggttnnag 120
 gacctttgcc caggccgact tcngccgcct cgagatcgag ctggccgagg ttganatgcc 180
 cggcctcatg gcctgttcgg accgagttcg gcccctcca ncccttcaag ggggcccgcgca 240
 tcaccggctc cctccacatg accatccaga ncgccgttct ca 282

<210> 3173
 <211> 312
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 3173

```
acgtcgcang cacgcntacg taagctcgga attcggctcg agtacgtttt gcccaagcac   60
cttgntgaga aggtggctgc acttcacctg ggcaaacttg gngctaagct gaccagctt  120
agcaagtccc aggctgatta catcagtgtg cctgttgagg gtccatacaa gcctgctcac  180
tacagg tact aagtgattga gatgatcaac tgaaaagtga gtgagggaaa gacaaaaatc  240
ggttttatca atcggatttg attgtttaat tttccttttt tgatttttgg tgtttagactt  300
tcagatttgn gg                                                         312
```

<210> 3174
<211> 297
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3174

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angnacangc acgcgtacgt aagctcggaa ttcggctcga gtgcccaagc accttgatga   60
gaagggtggct gcacttcacc tgggcaaact tggngctaag ctgaccacgc ttagcaagtc  120
ncaggctgat tacatcagtg tgcctgttga gggccatac aagcctgctc actacaggta  180
ctaagtgatt gagatgatca actgaaaagt gagtgaggga aagacaaaaa tcggttttat  240
caatcggatt tgattgttta attttccttt ttttgatttt tgggtgttaga cttttca    297
```

<210> 3175
<211> 297
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3175

```
tcgcntgcac gcgtacgtaa gctcgggaatt cggctcgagt ttacgttttg cccaagcacc   60
ttgatgagaa ggtggctgca cttcanctgg gcaaacttgg acctaagctg acccagctta  120
gcaagtccca ggctgattac atcagtgtgc ctgttgaggg tccatacaag cctgctcact  180
acagg tacta agtgattgan atgntcaact gaaaagtgag tgagggaaag acaaaaaatcg  240
ntttntcaa tcggatttga ttgtttaatt ttcctttttt tgatttttgg tgttaga    297
```

<210> 3176
 <211> 289
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3176

gtcgcacatgca cgcgtacgta agctcggaat tcggctcgag tgcccaagca ccttgatgag 60
 aaggtggctg cacttcacct gggcncactt ggngctaagc tgaccagct tgcnaagtc 120
 ccaggctgat tacatcagtg tgctgttga gggccatac aagcctgctc actacaggta 180
 ctaagtgatt gagatgatca actgaaaagt gaggtaggga aaggacaaaa atcggtttta 240
 tcaatcggat ttgatgttta attttccttt tttgattttg gtgttgan 289

<210> 3177
 <211> 336
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3177

gngangcagn gtacgtaagc tcggaattcg gctcgaggag agagagagag agagagagag 60
 atctatctat ctatcaagat ngcgttgttg gttgaaaaaa aaaannattg anagggant 120
 caaggtgaag ganatgatgc aagccgnttt nggaagattg gaaattcgag ctggcggagg 180
 ttgaaatgcc cggcctcatg tcctnccgc accgagttcg gccctcttc aatccttcaa 240
 gggcgctagg atcancggct ccctccacat gaccatcnan agccgncgct cttcatngag 300
 acnctaccg ctctcggcgc cgaggtccgc tgggtgc 336

<210> 3178
 <211> 209
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3178

tnattacncg tacgnaagct cggaattcgg ntcgagccct ccaggagtac tgggtgtgca 60
 ccgagcgcgc cctcgactgg ggccncggtg gtggaccga cttcatcgt cgacgacggt 120
 ggtgacgnta cccttctcat ccacgaaggc gtcaaggncg agganctcta tgagaanacc 180

ggcgaactcg ccgancccan ctccacaaa

209

<210> 3179
<211> 291
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3179

nagtcgcang cacgcgtacg taagctcgga attcggctcg aggctcacca actcccgctc 60
ccatttcctt atttatagac agagtctgat tgtttcctca ccactccctc cantctcttt 120
ctcctagtcc tgttatttct cagcgcgtaa agcatggctt tgttggtgga gaaaaccacg 180
agtggctcgcg agtacaaggt caaggacctt tcccaggccg acttcggccg cctcgagatc 240
gagctggccg aggttgagat gcccggcctc atggcctgtc ggaccgagtt c 291

<210> 3180
<211> 297
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3180

nacgtcgcac gcacgcgtac gtnagctcgg aattcggctc gagtnggaag accggggaac 60
tccccgaccc taactccact gacaacgccg agttccagat cgtgcttacc atcatacaga 120
gatggggtga agaccgatcc caccaggtag cgcaagatga aggagcgtct cgttgggggtt 180
tctgaggaaa ccaccactgg tgtaagagg ctatatcaga tgcaggcgat tgggntntat 240
ttcccgctna taataatnnc nngnnntctg ttaccaagng cngtntnaca acttgnc 297

<210> 3181
<211> 208
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3181

gtcgcangca cgcgtacgta agctcggaat tcggctcgag tacgttttgc ccaagcacct 60
tgatgagaag gtggctgcac ttcacctggg caaacttggn gctaagctga cccagcttag 120

caagtcccag gctgattann ncagtgtgcc tgttgagggg ccatacaagc cgctcactac 180
 aggtactaag tgattgagat gatcaact 208

<210> 3182
 <211> 212
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 3182

gtcgcangca cgcgtacgta agctcggaat tcggctcgag ctctctttct ctagtcctgt 60
 tattttctcag cgcgtaaagc atggcctttgt tggaggagaa aaccacnagt ggtcgcgagt 120
 acaaggtcaa ggacctttcc caggccgact tcggcngcct cgagatcnag ctggccgagg 180
 ttgagatgcc cggcctcatg gcctgtcgga cc 212

<210> 3183
 <211> 317
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 3183

aagtnncat gcacgcntac gtaantcgga attcggctcg agctctagtc ctgttatttc 60
 tcancgcgta aagcatgggc tttgttggtg gagaaaacca cgagtngtcc gctagtacaa 120
 ggtcaaggac ctttcccagg ccgacttcng ccgcctcgag atcgagctgg ccgaggttga 180
 natgcccggc ctcatggcct gtnggaccga ntteggcccc ttccaaccc ttcaaggggg 240
 cccgnatcan cggtccctn canatganca tccagaancg cgttntcatt gngaccctna 300
 ncggttttg ggcgagg 317

<210> 3184
 <211> 294
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 3184

tcgcangcag ncgtacgtaa gctcggaatt cggctcgang anaggtgnct gcacttcacc 60
 tgggcaaact tggcnctaag ctgaccanc ttagcaagtc ccaggctgat tacatcagt 120

tgcncgttga ggggccatac aagcctgctc antannggta ctaagtgatt gagatgatca	180
actgaaaagt gagtgagggg aagacaaaaa tcggttttat caatcggatt tgattgttta	240
attttccttt tttgattttt ggtgttngac ttttcagaat gtggtagaag aatt	294
<210>	3185
<211>	245
<212>	DNA
<213>	Glycine max
<223>	unsure at all n locations
<400>	3185
gatggcgcttg ttggttgaga aaacaagcag tggaaggag tacancgtga aggnecatgac	60
gcaagccgnt ttcggaagat tggaaatcga gctggcggag gttgaaatgg cccggcatca	120
tgtccctccc ggcaccgngt tcggccctc ttcaaccctt caagggcgcn angatnaccg	180
gntccctcca caatgagcnn ncaaanagcc gtacctnaaa cgnagacncg cacnngccng	240
ggggc	245
<210>	3186
<211>	234
<212>	DNA
<213>	Glycine max
<223>	unsure at all n locations
<400>	3186
aaaannanan gtngcatgca cgcgtacgta agctcggaat tcggctcgnn ctcgagccga	60
atcggctcga ctttctctag tcctgttatt tctcagcgcg taaagcatgn ctttgttggt	120
ggagaaaaca nacgagtggg cgcgagtaca aggtcaagga ctttcccag gccgacttcg	180
gccgcntcga gatcgagctg gccgaggttg agatgcccg cctcatggcc tgtn	234
<210>	3187
<211>	298
<212>	DNA
<213>	Glycine max
<223>	unsure at all n locations
<400>	3187
tcgcnngcac gcgtacgtna gctcgnantt cggcnccgag tggnaggagg taaggctggg	60

tcgacccaga tctagttgag ctcaccaact cccgctccca tttccttatt tatagacaga 120
gtctgattgt ttcctcacca ctccctccan tctctttctc tagtcctggt atttctcagc 180
gcgtaaagca tggctttggt ggtggagaaa accacgagtg gtcgcgagta caaggtcaag 240
gacctttccc aggccgactt cggccgcctc gagatcgagc tggccgaggt tgagatgc 298

<210> 3188
<211> 221
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 3188

tntgtcgcat ncacgcgtac gtaagctcgg aatnngctc gnnctcganc cgctncgagc 60
cgctcgagcc ggtcctgtna tntctcagcg cgtaaagcat ggctttantt ggtgganaaaa 120
accacgagtg gtcgcgagta caaggtcaag gacctttccc aggccgactt cgggcccctn 180
cgagatcgag ctggccgagg ttgagatgcc cggcctcatg g 221

<210> 3189
<211> 291
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 3189

anncananaa tnatgcacgc gtacgtaagc tcggaattcg gctcgagatt gtttcctcac 60
cactccctcc antctctttc tctagtcctg ttattttctca gcgcgtaaag catggctttg 120
ttggtggaga aaaccacgag tggtcganag taanaaggte aaggactttc ccaggccgac 180
ttcggcngcc tcgagatcga gctggccgag gttnaaatgc cgggcctcat ggctggncgg 240
acgattnngg cccctcnaa cctttaaggg gggccnaaat cangggntcc n 291

<210> 3190
<211> 303
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 3190

ncgcgatgca gcgtacgtaa gctcggaatt cggctcgagg ttattttctca gcgcgtaaag 60

catggccttg tnggtggaga aaaccacgag tggtcgcgag tacaagggtca aggacctttc 120
ccaggccgac ttcggccgcc tcgagattcg agctgggccg aggttgagat gcccggacct 180
catggcctgt ncggaccgag ttnggncccc taccagccc tttcaagggg gncccgcatc 240
accggcnccc nccacatgna ccatccagtg ccgnccgttg ttcattgn gn accctgcacc 300
gcc 303

<210> 3191
<211> 144
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 3191

ngcaggcacg cgtacgtaag ctncggaatt cggctcgagn cggctcgagg ggttgtgctg 60
ctgcattgaa gcaggctggt gctcgtgtca tcgtgactga gattgacccc atttgtgccc 120
ttcaggctct catggaagg cctt 144

<210> 3192
<211> 134
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 3192

aacgtcgcat gcacgcgtac gtaagctcgg aattcggctc gagcccgacc tnatcgtcga 60
cgacggtggt gacgctaccc ttctcatgcc acgaaggcnt tnaggccgag gagctctatg 120
agaagaccgg cgaa 134

<210> 3193
<211> 303
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 3193

acgtcgcatg cacgcgtacg taagctcggg attcggctcg aggcttagca agtcccaggg 60
ctgattacat cagtgtgcct gttgaggggtc catacaagcc tgctcactac aggtactaag 120

tgattganat gatcaactga aaagtgagtg agggaaagac aaaaatcggg tttatcaatc	180
ggatttgatt gtttaatttt cctttttttg atttttgggtg ttagactttt cagatttggtg	240
gtagaagaat gtagccattt ttattttctgt agaacttttg ttcgggtgggt gggaccagta	300
agg	303

<210>	3194
<211>	315
<212>	DNA
<213>	Glycine max
<223>	unsure at all n locations
<400>	3194

tagcangcac gcgtacgtaa gctcgggaatt cggctcgagg ggtcgtttga tgaacttggg	60
gtgtgccacg ggacacccca gctttgtgat gtcgtgctcc ttcaccaacc aggtcatngc	120
tcagcttgaa ttgtggaaag agaaggggtc tgggaagtat gagaagaagg tgnatgtgtt	180
gccaagcac cttgacgnga aagtgggttc tctccacctt ggccagnttg gagctaggct	240
caccaagctt tccanagacc aagctgatta catcagtgtg cctgttgagg gtccatacaa	300
gccgctccnc acagt	315

<210>	3195
<211>	290
<212>	DNA
<213>	Glycine max
<223>	unsure at all n locations
<400>	3195

cancacactc gcangcacgc gtacgtaagc tcggaattcg gctcgagcag gtcattgctc	60
agcttgaaatt gtggaaagag aagggttctg ggaagtatga gaagaagggtg tatgtgttgc	120
ccaagcacct tgacgagaaa gtggcttctc tccaccttg ccagcttgga gctagggtca	180
ccaagctttc caaagaccaa gctgattaca tcagtgtgcc tggtgagggt ccatacaagc	240
ctgctcacta caggtactga tccatcctat tgggggagaa taaacctaaa	290

<210>	3196
<211>	217
<212>	DNA
<213>	Glycine max

<223> unsure at all n locations
 <400> 3196

gtcgcangca cgcgtacgta agctcgggaat tcggctcgag ctcagcttga attgtggaaa 60
 gagaagggtt ctgggaagta tgagaagaag gtgtatgtgt tgcccaagca ccttgacgag 120
 aaagtggctt ctctccacct tggccagctt ggagctaggc tcaccaagct ttccaaagac 180
 caagctgatt acatcagtgt gcctgttgag ggtccat 217

<210> 3197
 <211> 255
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3197

gaaagagaag ggttctggga agtatgagaa gaagggtgat gtgttgccca agcaccttga 60
 cgagaaaagtg gcttctctcc accttggcca gcttggagct aggctacca agctttccaa 120
 agaccagctg attacatcag tgtgctgttg angggggcca taanagcttg tcnctnangg 180
 nnnnggnccn ncctttgggg gggaannaac ccgaantntn tttnatctcg ggggggnttg 240
 tnnantttnn ttng 255

<210> 3198
 <211> 338
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3198

aggaccatgc cgccgccgcc atcgcccgcg acaggcctcc gtcttcgcct ggaagggtga 60
 gaccctccag gaatactggt ggtgcaccga gcgcgcctcg actgggnncc ccggcggcgg 120
 cccgatctca tcgtcgacga cggcggcgac accactcttc tcattcacga gggcgtcaag 180
 gccgaggaga tctttgagaa gaccggccag ttccccgacc cggcttcctc cgacaatgcg 240
 gattcncgat cgtgctgagc atcatcaggg atggttgaag accgatccca agaggtagca 300
 caagatgaag acagaatcgt cgggtgtctcc gaagaaac 338

<210> 3199
 <211> 317

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 3199

agtcgcatgc acgcgtacgt aagctcggaa ttcggctcga ggcctggaag ggtgagaccc 60
 tccaggaata ctggtggtgc accgagcncg ccctcgactg gngccccggc ggcggccccg 120
 anctcatcgt ccgacgacgg cggcgacacc actcttctca ttcacgaggg cgtcaaggcc 180
 gaggagatct ttgagaagac cggccagttc cccgacccgg ctctctccga caatgcggag 240
 ttccagatcg tgctgagcat cattcagggg tggcttgaag accgatccca agaggtacca 300
 caagatgaag gacagaa 317

<210> 3200
 <211> 290
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 3200

gtcgcangca cgcgtacgta agctcggaa ttcggctcga ggaatatcca ctagcttcgt 60
 ggaggtgacg gatcttgaca tggttgatgc tncatagta gaagggaaaa caaaagtggc 120
 tttacttcga atctgtttcc aacccacccc ttacggttgc gaacatacct gaactgtgcc 180
 acatggcaca ccggaagggg gtgacggtgg tgggtggaaa cacgttcgag cccatggtgc 240
 tttcgccagc gcgtcttggg gctgatgttg tcgttcacag tatctccaag 290

<210> 3201
 <211> 213
 <212> DNA
 <213> Glycine max
 <400> 3201

attcggctcg aggcggaata tccactagct tcgtggaggt gacggatctt gacatggttg 60
 atgctgccat agtagaaggg aaaacaaaag tgctttactt cgaatctgtt tccaacccca 120
 cccttacggt tgcgaacata cctgaactgt gccacatggc acaccggaag ggagtgcgg 180
 tgggtggtgga caacacgttc gcgcccattg tgc 213

<210> 3202
 <211> 297
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3202

cncangcacg cgtacgtaag ctcggaattc ggctcgaggt gggacccacg cgctcctctc 60
 acactttctc ccgcgcacgt gcggaatata cactagcttc gtggaggtga cggatcttga 120
 catggttgat gctgccatag tagaaggga aacaaaagt ctttacttcg aatctgtttc 180
 caaccacc cttacggttg cgaacatacc tgaactgtgc cacatggcac accggaaggg 240
 agtgacggtg gtggtggaca acacgttcgc gcccatggtg ctttcgccag cgcgtct 297

<210> 3203
 <211> 300
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3203

gtcncnngta cgtaanctcg gaattcggct cgagcngaca ancccaann ccaagcccaa 60
 caatctgcat ccccgccgc ggcccggtgca accaaatggg ccgtggacag ctggaagtcc 120
 aagaaggccc tgcagntgcc cgaatacccc aaccaggagg atctcgaggc cgtcctccgc 180
 accctcgacg cntnccccctc anatcgtctt cgccggcgag gcccgganac tcgaggagca 240
 cctcgccgag gccgcatng gaaatgcntt ctccncnan ggcgnagatg tncnagagt 300

<210> 3204
 <211> 434
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3204

ccacgcgtcc gccacgcgt ccggtccgcc atctccgccg tctnctcca gctctgcagc 60
 cacngcgaac anggtggtcg nctccagaac tctntacngt gggaccacn cgctcctctc 120
 acactttctc ccgcgcacgt gcggaatata cactagcttc gtggaggtga cngatcttga 180
 catggnttat gctgccataa tagaaaggaa aacaaaagt ctttacttnt aatctggttc 240

caacccacc cttacngttg cgaacatacc tgaactgtgc cacatggcac accggaaggg 300
agtgactgtg gtggtggaca acacgttcgt gcccatgggtg ctttcgccag cgcgtntttg 360
gtgcttatgt ttgtncttca cagtatctcc aagttcatna atnggtgggg cccgatatta 420
ttgcangagc ggng 434